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MONTHLY RETURN OF THE REGISTRAR-GENERAL

Scotland

BIRTHS, DEATHS AND MARRIAGES

Registered in sixteen of the Principal Towns

January, 1938

REPORT

Births.—During the month of January 1938 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births (corrected for transfers) of 3,949 living children, of whom 1,993 were males and 1,956 were females. Compared with the number in the previous month, male births are 79 more, female births 80 more and those of children of both sexes 159 more. The monthly birth-rate in these towns taken collectively was 18·2 per thousand. This rate is 0·7 more than that for the previous month, but is 0·5 below the five years' average.

In the individual towns the monthly birth-rate ranged from 25·3 in Hamilton, 21·3 in Motherwell and Wishaw and 20·6 in Coatbridge, to 15·3 in Edinburgh, 14·3 in Aberdeen and 13·7 in Perth. In Paisley the rate was 19·9, in Glasgow 19·8, in Kilmarnock 19·8, in Greenock 18·7, in Falkirk 17·6, in Kirkcaldy 17·5, in Clydebank 17·3, in Dundee 17·0, in Ayr 16·8 and in Dunfermline 15·9.

Of the 3,949 living children whose births were registered during the month 3,730 or 94·5 per cent. were legitimate, while 219 or 5·5 per cent. were illegitimate. The legitimate children numbered 137 more than in the previous month and the illegitimate children 22 more. The illegitimate percentage for the month is 0·3 above that for the previous month. In the individual towns it ranged from 9·5 in Perth, 7·9 in Edinburgh and 6·0 in Glasgow, to 2·0 in Dunfermline, 1·8 in Falkirk and 1·6 in Motherwell and Wishaw.

Marriages.—Marriages registered during the month numbered 2,018 and are 301 fewer than in the previous month. The marriage-rate, 9·3 per thousand, is 1·4 below that for the previous month and 0·7 below the average. In the individual towns it ranged from 14·2 in Falkirk, 11·8 in Dunfermline and 10·9 in Hamilton, to 7·6 in Kirkcaldy, 7·3 in Greenock and 6·1 in Paisley. In Glasgow the rate was 10·2 and in Edinburgh 8·1. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.—Deaths registered in these towns during the month numbered 3,890 and are 138 fewer than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3,570, of whom

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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1,824 were males and 1,746 were females. The corrected number is 142 fewer than in the previous month, males being 115 fewer and females 27 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 16·5 per thousand, being 0·6 below that for the previous month and 1·6 below the average. In the towns taken individually the death-rate ranged from 20·6 in Ayr, 19·2 in Dundee and 18·2 in Dunfermline, to 13·2 in Paisley, 12·3 in Falkirk and 11·8 in Clydebank. In Perth the rate was 18·0, in Kilmarnock 17·7, in Greenock 17·0, in Glasgow 16·9, in Edinburgh 16·9, in Coatbridge 15·9, in Motherwell and Wishaw 14·7, in Kirkcaldy 14·4, in Aberdeen 13·7 and in Hamilton 13·3.

Deaths of children aged less than one year numbered 386 and equalled an infantile mortality rate of 97 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. These deaths are 82 fewer than in the previous month, while the rate is 20 less than in that month and 21 below the average. In the individual towns this rate ranged from 175 in Motherwell and Wishaw, 170 in Coatbridge and 161 in Kirkcaldy, to 56 in Clydebank, 55 in Paisley and 0 in Hamilton. In Ayr the rate was 123, in Dunfermline 122, in Dundee 109, in Glasgow 101, in Falkirk 93, in Kilmarnock 92, in Greenock 88, in Edinburgh 81, in Aberdeen 75 and in Perth 68.

Causes of Death. — Deaths from the principal epidemic diseases numbered 172 and equalled a death-rate of 0·8 per thousand. These deaths are 29 more than in the previous month and the rate is 0·1 more. They include 5 from typhoid fever, 62 from measles, 7 from scarlet fever, 4 from whooping-cough, 32 from diphtheria, 43 from influenza, 6 from cerebro-spinal fever, and 13 from other epidemic diseases, 7 of which were ascribed to erysipelas and 6 to lethargic encephalitis. Compared with the number in the previous month deaths from typhoid fever are 4 more, from measles 35 more, from scarlet fever 2 fewer, from whooping-cough 3 fewer, from diphtheria 10 more, from influenza 22 fewer, from cerebro-spinal fever 2 more, and from other epidemic diseases 5 more.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 669 and equalled a death-rate of 3·1 per thousand. Compared with the number in the previous month these deaths are 183 fewer, while the rate is 0·8 less and is 0·9 below the average.

Deaths from all forms of tuberculosis numbered 228, of which 182 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 3 more, but those from respiratory tuberculosis are the same. Compared with the average the former are 6 more and the latter 1 more.

METEOROLOGICAL NOTES
supplied by the Meteorological Office, Edinburgh.

JANUARY 1938.

Mean barometric pressure, 29·624 ins.; less than the average* by 0·273 ins.
Mean temperature, 40·5° F.; greater by 1·2° F.
Mean daily range of temperature, 9·7° F.; greater by 0·8° F.
Mean daily sunshine, 1·51 hours; greater by 0·35 hour.
Rain, depth in inches, 5·22; greater by 2·35 inches.
Wind, direction of: a 5 days' excess of S.W. or West winds.

The anticyclonic conditions which marked the closing days of December continued into January, but on the 6th a trough of low pressure, associated with a deep depression near Iceland, approached the British Isles from the Atlantic. A good deal of rain fell in the north and west. Thereafter the month was remarkable for the series of very deep depressions which passed between Iceland and the British Isles, giving gales over most of the country. The wildest weather occurred between the 21st and 25th. On the night of the 22nd/23rd the wind reached a mean speed of 60 miles per hour at Stornoway, Kirkwall and Lerwick. The highest gusts registered were 88 m.p.h. at Stornoway, 94 m.p.h. at Lerwick and 100 m.p.h. at Kirkwall. Considerable rain fell in all parts of Scotland. Conditions improved somewhat on the 26th and 27th, under the influence of a wedge of high pressure to the south-west of these islands, but there was a renewal of very

* The averages or normals in the case of pressure and rainfall refer to the period 1881–1915 and in the case of temperature and sunshine to the period 1906–35.

severe gales over Scotland on the 28th and succeeding days. In this period wind gusts up to 62 m.p.h. were registered in Edinburgh, 71 m.p.h. at the Bell Rock, 77 m.p.h. at Kirkwall, 78 m.p.h. at Lerwick and 81 m.p.h. at Stornoway. In Edinburgh the extremes of pressure were 30·64 inches on the 3rd and 28·65 inches on the 9th.

The month was a mild one, mean temperatures being generally above normal; the greatest excess, rather more than 2° F., occurred in east Scotland. The warmest days were the 22nd and 23rd, when shade temperatures exceeded 50° F. in all districts. The highest readings reported were 58° F. at Banff on the 23rd and 57° F. at Stonehaven on the 22nd. Some high night minima were recorded about this time. At Crieff temperature did not drop below 50° F. on the night of 23rd/24th; Abbotsinch had a minimum of 49° F. on 24th/25th, and 48° F. was registered at Paisley and Leuchars on the 22nd/23rd. The coldest weather occurred in the second week, the lowest screen temperatures reported being 14° F. at West Linton, 16° F. at Braemar and 17° F. at Peebles, all on the 11th, and 15° F. at Balmoral on the 8th. Some unusually low day temperatures were registered during the last week. A maximum value of 31° F. was recorded at Braemar on the 26th, 32° F. at Dalwhinnie on the 30th, and 33° F. at Dungavel on the 29th. Ground frosts occurred on every night except the 18th/19th and 19th/20th. The lowest readings reported were 11° F. at Balmoral on the 8th and at West Linton on the 11th, 12° F. at Peebles on the 11th, 13° F. at Peebles on the 1st and at Dalwhinnie on the 11th.

Sunshine was below normal at most places in the west and central areas, but was abundant for the time of year in the east. Leuchars headed the list with 79 hours' sunshine. Dundee, Montrose and Carnoustie had 78, 76 and 69 hours' sunshine respectively, representing in each case an excess of 25 hours over respective averages. Several stations in the west had less than 20 hours' sunshine, and at Fort William and Fort Augustus the aggregates were only 6 and 9 hours respectively.

The rainfall was above normal in all districts. For the country as a whole this was the first month with an excess over the normal since July 1937. The excess varied from about 25 per cent. along the shores of the Moray Firth to more than 100 per cent. in Argyll and parts of Renfrewshire. Several stations in the north had rain on all but the first two days of the month. Many places had more than 20 inches of rain, and Kinlochquoich and Loan (Inverness) had totals of 25·27 and 24·35 inches respectively. Daily falls exceeding an inch were registered frequently in all districts. The wettest day was the 31st, when the heaviest falls reported were 3·30 inches at Kinlochquoich, 2·91 inches at Achnacarry (Inverness) and 2·66 inches at Clunes (Inverness). Other heavy daily rainfalls were 2·50 inches at Kinlochquoich on the 18th, 2·47 inches at Glenquoich on the 20th, 2·14 inches at Ceannacroc Lodge (Inverness) on the 21st and 2·20 inches at Kinlochquoich on the 26th.

Snow fell frequently and over wide areas from 8th to 17th, on 21st, and from 24th to 31st, but there were no really heavy falls. Snow lay on the hills in the north and west throughout the month.

Hail occurred at one place or other on 21 days. It was widely reported in the west during the last week.

Fog was reported on 12 days, most of the reports being confined to south and west Scotland. It was thick in the Clyde area on the 3rd and 4th, when two cargo liners were involved in a collision and several road accidents occurred.

Gales, many of unusual severity, were widespread and occurred on no less than 22 days. Considerable damage was caused over the whole country, more especially in the west and north. The entire roof was blown off a school building at Lossiemouth on the 23rd. Partially erected pavilions for the Empire Exhibition in Glasgow were destroyed in the gale of the 29th. Shipping suffered acutely under these conditions and many lives were lost. At Stornoway a mean wind speed of 39 miles an hour or above was maintained for 123 hours distributed over 12 days.

Thunder was reported on 15 days. It was fairly widespread in the north on the 13th and occurred in all districts on the 28th.

Aurora was seen on 19 nights. The display on the evening of the 25th was exceptionally brilliant and probably the finest for at least 30 years. It was seen in all parts of great Britain, some fine effects being noted at places as far south as Folkestone, Dorchester and Lands End.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 8.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, January 1938.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
									REGISTERED			TRANSFERS (Both Sexes.)		
	Census 1931.	Estimated to middle of 1938. (Provisional.)	Both Sexes.	Males.	Females.	Legitimate.	Illegitimate.		Both Sexes.	Males.	Females.	Out.	In.	Corrected for Transfers (Both Sexes.)
GLASGOW,	1,088,524	1,121,200	1889	963	926	1775	114	975	1757	939	818	186	35	1606
EDINBURGH,	439,010	469,700	610	291	319	562	48	323	774	380	394	113	14	675
DUNDEE,	175,681	177,600	256	129	127	245	11	146	303	151	152	22	8	289
ABERDEEN,	169,803	178,200	216	107	109	207	9	124	232	103	129	30	5	207
PAISLEY,	86,445	91,100	154	76	78	150	4	47	103	59	44	19	18	102
GREENOCK,	79,012	81,100	129	63	66	122	7	50	119	53	66	9	7	117
MOTHERWELL AND WISHAW,	65,611	67,500	122	57	65	120	2	45	65	37	28	..	19	84
CLYDEBANK,	46,952	47,700	70	41	29	66	4	35	31	15	16	1	18	48
KIRKCALDY,	43,874	45,000	67	39	28	64	3	29	54	27	27	4	5	55
COATBRIDGE,	43,312	44,500	78	38	40	75	3	32	55	33	22	1	6	60
KILMARNOCK,	38,681	39,900	67	36	31	65	2	30	62	20	42	9	7	60
HAMILTON,	37,990	39,000	84	48	36	81	3	36	40	23	17	5	9	44
AYR,	38,905	40,700	58	28	30	55	3	32	99	50	49	37	9	71
FALKIRK,	36,566	38,200	57	35	22	56	1	46	50	26	24	13	3	40
DUNFERMLINE,	35,058	36,900	50	26	24	49	1	37	66	24	42	12	3	57
PERTH,	35,051	36,100	42	16	26	38	4	31	80	43	37	26	1	55
TOTAL (SIXTEEN TOWNS)	2,460,475	2,554,400	3949	1993	1956	3730	219	2018	3890	1983	1907	487	167	3570

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, January 1938.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW,	19·8	6·0	10·2	18·5	16·9	1·0	1·2	1·0	3·6	191	101
EDINBURGH,	15·3	7·9	8·1	19·4	16·9	0·7	0·9	0·7	2·9	51	81
DUNDEE,	17·0	4·3	9·7	20·1	19·2	0·7	1·3	0·9	3·2	29	109
ABERDEEN,	14·3	4·2	8·2	15·3	13·7	0·1	0·9	0·7	1·9	19	75
PAISLEY,	19·9	2·6	6·1	13·3	13·2	0·8	0·3	0·3	2·7	8	55
GREENOCK,	18·7	5·4	7·3	17·3	17·0	0·4	1·3	0·9	3·2	13	88
MOTHERWELL AND WISHAW,	21·3	1·6	7·9	11·3	14·7	1·6	0·7	0·7	3·0	20	175
CLYDEBANK,	17·3	5·7	8·6	7·6	11·8	0·7	1·2	0·7	2·0	4	56
KIRKCALDY,	17·5	4·5	7·6	14·1	14·4	0·8	0·5	0·3	1·6	9	161
COATBRIDGE,	20·6	3·8	8·5	14·5	15·9	1·3	0·5	0·5	3·7	15	170
KILMARNOCK,	19·8	3·0	8·8	18·3	17·7	0·3	1·2	0·9	2·4	6	92
HAMILTON,	25·3	3·6	10·9	12·1	13·3	1·2	1·2	0·6	2·1	..	..
AYR,	16·8	5·2	9·3	28·7	20·6	0·3	0·6	0·6	3·2	7	123
FALKIRK,	17·6	1·8	14·2	15·4	12·3	0·9	1·5	1·5	1·2	5	93
DUNFERMLINE,	15·9	2·0	11·8	21·0	18·2	..	0·6	0·6	1·0	6	122
PERTH,	13·7	9·5	10·1	26·1	18·0	0·7	..	..	2·9	3	68
TOTAL (SIXTEEN TOWNS)	18·2	5·5	9·3	17·9	16·5	0·8	1·1	0·8	3·1	386	97

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for January 1938, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM *Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.	‡Infantile Mortality Rate.	Mean Temperature.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
JAN. 1938, .	**18·2**	**5·5**	**9·3**	**16·5**	**5**	**62**	**7**	**4**	**32**	**43**	**6**	**13**	**97**	**40°·5**
JAN. 1937, .	18·3	5·7	9·6	21·8	0	2	4	104	26	771	10	11	111	40°·6
JAN. 1936, .	19·2	5·6	9·4	18·1	1	10	6	14	16	80	6	17	139	36°·4
JAN. 1935, .	18·3	5·9	10·7	15·7	1	11	8	65	27	103	3	9	100	40°·5
JAN. 1934, .	19·8	6·4	10·9	14·4	0	4	19	14	29	31	12	25	94	41°·7
JAN. 1933, .	18·1	6·1	9·5	20·5	2	4	13	113	18	444	21	23	146	36°·3
JAN. 1932, .	19·5	5·9	9·2	14·0	0	100	14	11	27	30	12	19	95	43°·2
JAN. 1931, .	19·9	6·5	8·9	16·4	2	4	9	85	28	42	23	13	118	37°·3
JAN. 1930, .	21·0	6·9	9·2	15·7	0	79	11	23	36	26	12	24	123	39°·4
JAN. 1929, .	21·0	6·7	9·2	30·7	0	1	7	81	33	824	15	16	176	35°·1
JAN. 1928, .	21·3	6·3	10·7	19·0	1	192	11	58	57	60	9	22	142	40°·2

Figures in columns 5-14 have been corrected for non-resident deaths.
* Including Paratyphoid from 1931.
† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.
‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—January 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age. -1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over
1	Typhoid Fever (including Paratyphoid) -	5	3	2	-	-	-	-	-	2	1	1	1	-	-	-
4	Measles - - - - - -	62	35	27	11	48	2	-	1	-	-	-	-	-	-	-
5	Scarlet Fever - - - - -	7	4	3	1	2	-	-	2	1	1	-	-	-	-	-
6	Whooping-cough - - - - -	4	2	2	2	2	-	-	-	-	-	-	-	-	-	-
7	Diphtheria - - - - - -	32	8	24	1	14	10	6	1	-	-	-	-	-	-	-
8	Influenza - - - - - -	43	22	21	2	1	-	1	3	5	6	2	7	8	7	1
14 (1)	Cerebro-spinal Fever - - - -	6	5	1	3	2	-	-	1	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)* - -	13	7	6	2	-	-	-	-	2	1	1	4	3	-	-
10	Tuberculosis of Respiratory System -	182	118	64	1	4	1	1	46	57	24	28	14	6	-	-
11	Other Tuberculous Diseases - - -	46	22	24	2	12	9	1	7	6	-	2	2	2	2	1
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	11	7	4	5	-	-	-	-	-	3	-	2	1	-	-
15	Cancer, Malignant Disease - - -	367	170	197	1	1	-	1	2	7	23	51	108	108	59	6
18	Diabetes Mellitus - - - - -	50	21	29	-	-	-	-	2	1	1	4	14	16	11	1
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	76	31	45	2	2	2	3	5	3	10	12	16	13	7	1
22	Cerebral Hæmorrhage, &c. - - -	304	129	175	-	-	-	-	-	1	5	12	61	109	93	23
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	82	46	36	12	4	2	3	6	5	9	7	19	11	4	-
24	Heart Disease - - - - -	710	357	353	-	1	4	4	4	13	20	60	130	257	186	31
25	Other Circulatory Diseases - - -	74	32	42	-	-	-	-	1	-	1	4	9	28	23	8
26	Bronchitis - - - - - -	265	143	122	17	2	1	-	1	2	11	29	51	68	62	21
27	Pneumonia (all forms) - - - -	373	211	162	103	47	3	1	12	11	20	45	45	50	34	2
28	Other Respiratory Diseases - - -	31	15	16	2	2	-	-	-	3	3	3	5	4	6	3
32 (1)	Gastric and Duodenal Ulcer - - -	41	34	7	-	-	-	-	2	4	8	4	12	8	3	-
29	Diarrhœa, &c. (all ages) - - -	58	32	26	38	9	-	-	-	1	1	1	1	3	3	1
30	Appendicitis - - - - - -	15	6	9	-	1	2	2	3	3	1	1	1	1	-	-
31 (1)	Cirrhosis of Liver - - - - -	10	4	6	-	-	-	-	-	-	-	1	3	5	1	-
31 (2)	Other Diseases of Liver, &c. - - -	13	4	9	-	-	-	1	-	-	2	1	3	4	1	1
32 (2)	Other Digestive Diseases - - -	44	18	26	3	1	1	-	3	2	4	3	13	7	6	1
33	Acute and Chronic Nephritis - -	89	42	47	1	-	-	2	5	6	8	17	22	15	12	1
34	Other Dis. of Genito-Urinary System -	44	30	14	1	-	-	-	2	2	1	5	9	16	7	1
35	Puerperal Sepsis - - - - -	14	-	14	-	-	-	-	3	8	3	-	-	-	-	-
36	Other Puerperal Causes - - -	17	-	17	-	-	-	-	4	9	4	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	21	10	11	4	-	1	1	2	-	2	4	-	3	4	-
38	Congen. Debil., Prem. Birth, Malform., &c.	171	101	70	165	3	1	-	2	-	-	-	-	-	-	-
39	Old Age - - - - - -	110	40	70	-	-	-	-	-	-	-	-	1	10	75	24
40	Suicide - - - - - -	18	12	6	-	-	-	-	1	3	2	5	5	1	1	-
42	Other Violence (41) - - - -	115	73	42	7	8	3	2	3	7	13	22	20	15	10	5
43	Causes Ill-defined or Unknown - -	47	30	17	-	1	-	-	-	1	2	5	15	11	12	-
	All Causes - -	3570	1824	1746	386	167	42	29	124	165	190	330	593	783	629	132

* See note (†). Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—January 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	5	2	...	3	...	...	...	...	...
4	Measles	62	45	13	...	...	2	...	1	...
5	Scarlet Fever	7	3	1	...	...	...	1	1	1
6	Whooping-cough	4	3	1	...	...	...	...	...	...
7	Diphtheria	32	13	5	2	2	4	1	3	...
8	Influenza...	43	16	6	5	...	...	...	3	1
14 (1)	Cerebro-spinal Fever	6	4	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	13	5	3	...	...	...	1	1	1
10	Tuberculosis of Respiratory System ...	182	99	26	14	11	2	6	4	3
11	Other Tuberculous Diseases	46	20	10	5	2	...	3	...	2
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	11	3	4	...	3	...	...	...	...
15	Cancer, Malignant Disease	367	156	83	28	23	8	11	4	3
18	Diabetes Mellitus	50	21	6	2	2	2	5	4	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	76	25	25	7	6	3	3	1	...
22	Cerebral Hæmorrhage, &c.	304	125	52	15	20	14	11	10	9
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	82	36	11	4	8	4	7	2	2
24	Heart Disease	710	282	158	75	43	16	19	17	9
25	Other Circulatory Diseases	74	38	16	3	10	1	3	...	...
26	Bronchitis	265	122	54	11	12	9	12	9	2
27	Pneumonia (all forms)	373	212	53	36	16	11	9	8	5
28	Other Respiratory Diseases	31	13	8	2	...	1	1	...	1
32 (1)	Gastric and Duodenal Ulcer	41	20	8	3	3	2	...	1	1
29	Diarrhœa, &c. (all Ages)	58	32	8	5	...	2	2	...	1
30	Appendicitis	15	5	4	3	2	...	...	...	...
31 (1)	Cirrhosis of Liver	10	4	2	3	1	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	13	5	2	1	...	1	...	2	...
32 (2)	Other Digestive Diseases	44	16	7	6	7	...	2	...	1
33	Acute and Chronic Nephritis	89	44	16	9	9	1	2	1	...
34	Oth. Diseases of Genito-Urinary System	44	15	10	4	2	2	2	...	...
35	Puerperal Sepsis	14	7	2	2	1	...	1	...	...
36	Other Puerperal Causes	17	9	2	2	1	1	1	1	...
37	Dis. of Skin, and of Locomotor System	21	8	6	...	2	...	1	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	171	80	25	12	6	5	5	7	3
39	Old Age	110	41	12	13	5	5	5	...	...
40	Suicide	18	2	6	2	1	2	...	...	1
42	Other Violence (41)	115	46	26	10	6	4	3	3	1
43	Causes Ill-defined or Unknown ...	47	29	4	2	3	...	...	...	...
	All Causes ...	3570	1606	675	289	207	102	117	84	48
	AGE AT DEATH.									
	Under 1	386	191	51	29	19	8	13	20	4
	1– 4	167	107	25	8	5	5	3	4	1
	5– 9	42	19	7	3	...	3	2	2	...
	10–14	29	12	7	1	2	...	2	1	...
	15–24	124	59	17	11	5	4	8	3	3
	25–34	165	86	25	11	14	4	7	4	1
	35–44	190	81	29	18	11	8	7	6	3
	45–54	330	161	64	23	22	8	6	2	5
	55–64	593	272	126	40	20	22	18	15	12
	65–74	783	328	164	60	54	21	28	11	10
	75–84	629	244	136	69	45	13	20	13	7
	85 and over	132	46	24	16	10	6	3	3	2
	Not stated	...	...	...	...	...	...	...	...	...
	All Ages ...	3570	1606	675	289	207	102	117	84	48

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—January 1938—*continued.*

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	...	...	...	...	1	...	...	...
5	Scarlet Fever	...	...	...	...	...	...	...	...
6	Whooping-cough	...	...	...	...	...	...	...	...
7	Diphtheria	...	1	1	...	...	...	...	...
8	Influenza...	2	3	...	3	...	2	...	2
14 (1)	Cerebro-spinal Fever	...	1	...	...	...	1	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	1	...	...	1	...	...	...	...
10	Tuberculosis of Respiratory System ...	1	2	3	2	2	5	2	...
11	Other Tuberculous Diseases	1	...	1	2	...	...	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	1	...	...	...	...	...
15	Cancer, Malignant Disease	3	6	8	8	7	4	7	8
18	Diabetes Mellitus	...	2	1	1	2	...	1	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	...	1	1	1	1	...	1
22	Cerebral Hæmorrhage, &c.	9	4	7	4	7	3	7	7
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	1	1	...	4	...	2	...
24	Heart Disease	11	7	15	6	14	11	20	7
25	Other Circulatory Diseases	1	1	1	...	...	...	...	...
26	Bronchitis	5	6	5	5	5	3	1	4
27	Pneumonia (all forms)	...	8	3	1	4	1	1	5
28	Other Respiratory Diseases	1	...	...	1	2	...	1	...
32 (1)	Gastric and Duodenal Ulcer	...	...	...	...	2	...	...	1
29	Diarrhœa, &c. (all Ages)	1	3	...	...	1	...	...	3
30	Appendicitis	...	...	...	...	1	...	...	...
31 (1)	Cirrhosis of Liver	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	...	...	...	...	...	1	...	1
32 (2)	Other Digestive Diseases	...	1	1	1	1	...	...	1
33	Acute and Chronic Nephritis	...	1	2	...	...	1	1	2
34	Oth. Diseases of Genito-Urinary System	2	1	1	2	...	2	1	...
35	Puerperal Sepsis	...	1	...	...	...	...	...	...
36	Other Puerperal Causes	...	...	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	...	...	1	...	1	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	9	2	3	...	5	3	5	1
39	Old Age	5	2	2	1	4	...	6	9
40	Suicide	...	...	1	2	...	...	1	...
42	Other Violence (41)	2	5	1	3	3	1	1	...
43	Causes Ill-defined or Unknown ...	...	2	...	...	4	...	...	3
	All Causes ...	55	60	60	44	71	40	57	55
	AGE AT DEATH.								
	Under 1	9	15	6	...	7	5	6	3
	1– 4	1	...	3	2	2	...	...	1
	5– 9	...	1	1	1	1	1	1	...
	10–14	1	...	...	...	2	1	...	...
	15–24	1	3	...	3	3	2	2	...
	25–34	1	1	1	4	...	2	1	3
	35–44	2	5	5	5	6	2	2	...
	45–54	5	6	6	3	4	4	6	5
	55–64	12	7	6	10	15	6	8	4
	65–74	7	16	16	11	17	8	13	19
	75–84	11	5	13	5	11	8	13	16
	85 and over	5	1	3	...	3	1	5	4
	Not stated	...	...	...	...	...	...	...	...
	All Ages ...	55	60	60	44	71	40	57	55

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of January 1938.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†		AIR TEMPERATURE. Mean of Maximum (A.)	Mean of Minimum (B.)	Mean of A and B (Mean Temperature).	Difference from Average.	Absolute Maximum and Minimum. Maximum.	Day of Month.	Minimum.	Day of Month.	HYGROMETER.* Mean of Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Difference from Average.	BRIGHT SUNSHINE. Hours per Day. Daily Mean.	Difference from Average.	Per Cent. of Possible.
	feet.	Mb.	inches.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	Mb.	%		inch.	inch.			
GLASGOW, (Abbotsinch Aerodrome), The Meteorological Office.	19	1004·2	29·656	44·4	36·2	40·3	+0·8	54	22nd	19	3rd	40·3	1·3	7·7	89	23	6·88	+·353	1·03	−0·08	14
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	1003·7	29·640	44·7	36·6	40·7	+1·6	54	22, 23	30	10, 11	40·1	2·1	6·8	81	22	3·32	+1·56	2·27	+0·63	30
DUNDEE, College Gardens.	147	1002·1	29·593	44·6	34·5	39·5	+1·2	53	23rd	27	11th	39·8	1·9	6·9	83	17	3·94	+1·99	2·52	+0·80	34
ABERDEEN, The Meteorological Office.	79	1001·3	29·570	45·4	37·4	41·4	+2·4	56	23rd	31	10th	40·9	2·1	7·1	81	19	2·39	+0·21	2·08	+0·58	28
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1003·8	29·643	45·3	36·8	41·1	+1·4	54	22, 23	26	3rd	40·8	1·7	7·3	85	25	7·31	+3·32	1·05	+0·02	14
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1003·9	29·645	45·9	37·2	41·5	+1·7	55	22nd	28	3rd	40·9	1·8	7·3	84	27	10·14	+3·68	0·85	..	11
KIRKCALDY, The Medical Officer of Health.	137	..	..	45·1	34·0	39·5	−0·2	52	20, 31	27	27th	39·8	1·5	7·2	87	18	3·81	..	..	..	..
KILMARNOCK, W. DUNBAR, C.E.	132	..	..	44·5	34·6	39·5	+0·2	54	22nd	18	2nd	39·7	1·3	7·3	88	25	5·75	+2·34	1·02	−0·04	13
AYR, The Medical Officer of Health.	43	..	..	49·2	37·7	43·5	..	54	5, 8, 25	27	2, 3	43·4	1·5	8·4	87	21	4·71	..	0·72	..	9
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	44·7	34·1	39·4	..	52	31st	25	11th	38·8	1·2	7·1	89	20	4·42	..	1·67	..	22
PERTH, J. RITCHIE, The Museum.	76	1003·1	29·623	45·8	33·7	39·7	+1·8	55	22nd	23	2nd	39·0	1·2	7·2	89	20	4·70	+2·19	1·92	+0·56	25
Means . .	147	1003·2	29·624	45·4	35·7	40·5	+1·2	..	..	..	..	40·3	1·6	7·3	86	22	5·22	+2·35	1·51	+0·35	20

North Latitude.—Glasgow, 55° 52′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Greenock, 55° 56′; Perth, 56° 24′; Mean, 56° 14′.
West Longitude.—Glasgow, 4° 17′; Edinburgh, 3° 11′; Dundee, 2° 58′; Aberdeen, 2° 6′; Paisley, 4° 26′; Greenock, 4° 46′; Perth, 3° 27′; Mean, 3° 36′.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.

† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars=29·531 mercury inches) and inches.

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FOR OFFICIAL USE

MONTHLY RETURN OF THE REGISTRAR-GENERAL

Scotland

BIRTHS, DEATHS AND MARRIAGES

Registered in sixteen of the Principal Towns

February, 1938

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of February 1938 the births (corrected for transfers) of 3,703 living children, of whom 1,923 were males and 1,780 were females. Compared with the number in the previous month the total births were 246 fewer, male births being 70 fewer and female births 176 fewer. The monthly birth-rate in these towns taken collectively was 18·9 per thousand. Although the actual number of births in February was less than in the 31-day month of January, the rate is 0·7 more than in that month and is 0·3 above the five years' average.

In the individual towns the monthly birth-rate ranged from 27·2 in Coatbridge, 25·4 in Hamilton and 20·7 in Motherwell and Wishaw, to 16·4 in Edinburgh, 15·9 in Kirkcaldy and 12·3 in Perth. In Greenock the rate was 20·6, in Glasgow 19·9, in Dundee 19·3, in Falkirk 18·8, in Ayr 18·3, in Clydebank 18·0, in Aberdeen 17·8, in Paisley 17·6, in Dunfermline 17·3 and in Kilmarnock 17·0.

Of the 3,703 living children whose births were registered during the month, 3,478 or 93·9 per cent. were legitimate, while 225 or 6·1 per cent. were illegitimate. The legitimate children numbered 252 fewer than in the previous month but the illegitimate children 6 more. The illegitimate percentage for the month is 0·6 above that for the previous month. In the individual towns it ranged from 12·3 in Ayr, 8·8 in Perth and 7·3 in Kirkcaldy, to 2·8 in Motherwell and Wishaw, 2·2 in Coatbridge and 1·9 in Kilmarnock. In Glasgow the percentage was 6·7 and in Edinburgh 6·1.

Marriages.—Marriages registered during the month numbered 1,237 and are 781 fewer than in the previous month. The marriage-rate, 6·3 per thousand, is 3·0 below that for the previous month but 0·1 above the average. In the individual towns it ranged from 8·3 in Aberdeen, 7·0 in Edinburgh and 6·9 in Perth, to 4·6 in Kilmarnock, 3·2 in Coatbridge and 2·7 in Clydebank. In Glasgow the rate was 6·5 and in Edinburgh 7·0. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.—Deaths registered in the Sixteen towns during the month numbered 2,910 and are 980 fewer than in the previous month. Deducting deaths of

NOTE.—The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.

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persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,637, of whom 1,347 were males and 1,290 were females. The corrected number is 933 fewer than in the previous month, males being 477 fewer and females 456 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 13·5 per thousand, being 3·0 below that for the previous month and 3·0 below the average. It is the lowest death-rate hitherto recorded for February in this series of Returns. In the towns taken individually the death-rate ranged from 17·0 in Perth, 16·5 in Kirkcaldy and 14·8 in Dundee, to 9·9 in Dunfermline, 9·8 in Kilmarnock and 8·7 in Hamilton. In Greenock the rate was 14·5, in Coatbridge 14·0, in Edinburgh 13·8, in Glasgow 13·6, in Motherwell and Wishaw 13·5, in Paisley 12·6, in Aberdeen 12·5, in Ayr 12·2, in Clydebank 10·9 and in Falkirk 10·9.

Deaths of children of less than one year old numbered 295 and equalled an infantile mortality rate of 81 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. These deaths are 91 fewer than in the previous month, while the rate is 16 less than in that month and 31 below the average. This rate is also the lowest on record for February in this series of Returns. In the individual towns this rate ranged from 115 in Ayr, 109 in Clydebank and 99 in Coatbridge, to 46 in Paisley, 20 in Falkirk and 0 in Hamilton. In Motherwell and Wishaw the rate was 97, in Glasgow 93, in Dunfermline 87, in Edinburgh 79, in Perth 77, in Greenock 75, in Dundee 74, in Kirkcaldy 60, in Aberdeen 57 and in Kilmarnock 52.

Causes of Death.—Deaths from the principal epidemic diseases numbered 142 and equalled a death-rate of 0·7 per thousand. These deaths are 30 fewer than in the previous month and the rate is 0·1 less. They include none from typhoid fever, 73 from measles, 2 from scarlet fever, 4 from whooping-cough, 26 from diphtheria, 15 from influenza, 5 from cerebro-spinal fever, and 17 from other epidemic diseases, 5 of which were ascribed to dysentery, 6 to erysipelas and 6 to lethargic encephalitis. Compared with the number in the prevous month deaths from measles are 11 more, from scarlet fever 5 fewer, from whooping-cough the same, from diptheria 6 fewer, from influenza 28 fewer, from cerebro-spinal fever 1 fewer and from other epidemic diseases 4 more. In the previous month 5 deaths were registered from typhoid fever.

Deaths attributed to respiratory diseases exclusive of those associated with tuberculosis and with influenza numbered 365 and equalled a death-rate of 1·9 per thousand. This rate is also the lowest on record for February in these Returns. Compared with the number in the previous month these deaths are 304 fewer, while the rate is 1·2 less and is 1·3 below the average.

Deaths from all forms of tuberculosis numbered 189, of which 145 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 39 fewer and those from respiratory tuberculosis 37 fewer. Compared with the average the former are 19 fewer and the latter 18 fewer.

METEOROLOGICAL NOTES

supplied by the Meteorological Office, Edinburgh.

FEBRUARY 1938.

Mean barometric pressure, 30·197 ins.; greater than the average* by 0·325 in.
Mean temperature, 40·9° F.; greater by 1·5° F.
Mean daily range of temperature, 10·8° F.; greater by 1·3° F.
Mean daily sunshine, 2·05 hours; less by 0·12 hour.
Rain, depth in inches, 1·48; less by 1·11 inch.
Wind, direction of; a 6 days' excess of winds between N.W. and N.E.

The severe weather at the end of January persisted through the first week of February. On the 1st an intense depression to the North of Scotland caused

* The averages or normals in the case of pressure and rainfall refer to the period 1881–1915 and in the case of temperature and sunshine to the period 1906–35.

widespread westerly gales. Wind gusts were recorded of 72 miles per hour at the Bell Rock, 73 at Stornoway and 79 miles per hour at Abbotsinch. Rain fell generally up to the 11th, being heavy in Western districts, especially on the 3rd and 4th. A depression over Iceland on the 11th moved on a south-easterly course bringing severe northerly gales to many parts of Scotland on the 12th. Maximum wind gusts of 70 miles per hour were registered at Kirkwall, 72 at Bell Rock and 76 at Lerwick. Anticyclonic conditions became established on the 13th and a spell of dry and rather cold weather set in which lasted until the 23rd. In this period there were some notable sunshine records in the west. Tiree enjoyed 26·3 hours' sunshine in the three days 16th–18th. Rather mild and unsettled weather marked the closing days of the month with rain in all districts and a renewal of stormy conditions on the 28th. In Edinburgh the extremes of pressure were 30·76 inches on the 19th and 28·69 inches on the 1st.

Mean temperatures were generally above normal. The greatest excess, rather more than 2° F., occurred in eastern districts. The warmest days were the 26th, 27th and 28th, when shade maxima of 55° F. or above were recorded in all districts. The highest readings reported, all on the 28th, were 60° F. at Forres, Gordon Castle and Banff and 59° F. at Dunbar and Ayr. The coldest spell occurred in the third week. The lowest screen temperatures reported were 17° F. at Dalwhinnie on the 16th and at Braemar on the 21st, 20° F. at Balmoral on the 21st and 21° F. at Auchincruive on the 15th. Day temperatures did not rise above 40° F. in many places about this time, and some high level stations recorded maxima of only 34–36° F. Ground frosts were widespread and occurred on all days except 4th, 5th, 26th and 28th. The lowest readings were all reported at Dalwhinnie, viz. 8° F. on the 16th and 21st, 12° F. on the 18th, 13° F. on the 15th and 14° F. on the 19th. Leuchars also reported a ground temperature of 14° F. on the 15th.

Over the greater part of Scotland the sunshine aggregates were below normal but there were areas with excess totals in the south and west. Tiree and Oban were outstanding with aggregates of 83 and 79 hours' sunshine respectively. These totals represent excesses over their respective normals of 13 and 17 hours. Other large aggregates were 74 hours at Craibstone and Arbroath, and 72 hours at Montrose and Edinburgh. Less than 40 hours' sunshine was recorded in the extreme north, and only 33 hours at Fort Augustus.

Rainfall was deficient over the greater part of the country but there was an area with more than the average, covering the greater part of the Western Highlands and extending as far north as Cape Wrath. The areas of least rainfall were around the Firths of Tay and Forth, where many stations had only about a quarter of their average rainfall. At some Highland stations the totals represented an excess over the normal of more than 80 per cent. Daily falls exceeding an inch occurred in all districts during the first week and in the last few days of the month. The largest falls included 3·40 inches at Kinlochquoich on the 2nd; 5·35 inches at Kinlochquoich, 3·34 inches at Achnacarry and 2·73 inches at Clunes (Inverness) on the 3rd; 4·77 inches at Glenquoich and 2·72 inches at Ceannacroc Lodge (Inverness) on the 4th; 3·72 inches at Kingairloch, 3·24 inches at Ardgour and 3·05 inches at Fort William on the 25th, and 3·10 inches at Kinlochquoich on the 28th. Following on the gales and heavy rains of early February Loch Ness rose 3 feet in 6 days at Fort Augustus.

Snow lay on high ground throughout the month and although reports were received of falls on 16 days there was at no time any heavy fall.

Hail occurred on 12 days. Reports were widespread on the 1st and 2nd.

Fog was reported locally in southern districts on 13 days.

Gales were reported on no less than 17 days. That on the 1st was of unusual severity and affected the whole of Great Britain. Stormy conditions in the closing days of the month culminated in a heavy gale on the 28th.

Thunderstorms occurred over a wide area in the south and west on the 1st. They were also reported locally on the 2nd, 5th, 9th and 12th.

Aurora was observed on eight days, reports being most widespread on the 6th and 8th. On the latter day it was seen as far south as Edinburgh.

Note.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 16.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, February 1938.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
									REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes.)
	Census 1931.	Estimated to middle of 1938. (Provisional.)	Both Sexes.	Males.	Females.	Legitimate.	Illegitimate.		Both Sexes.	Males.	Females.	Out.	In.	
GLASGOW,	1,088,524	1,121,200	1712	865	847	1597	115	558	1285	684	601	142	29	1172
EDINBURGH,	439,010	469,700	590	317	273	554	36	252	600	299	301	110	8	498
DUNDEE,	175,681	177,600	263	131	132	246	17	72	212	97	115	18	8	202
ABERDEEN,	169,803	178,200	243	124	119	229	14	113	210	97	113	46	7	171
PAISLEY,	86,445	91,100	123	72	51	119	4	59	92	41	51	15	11	88
GREENOCK,	79,012	81,100	128	67	61	121	7	34	87	50	37	5	8	90
MOTHERWELL AND WISHAW,	65,611	67,500	107	62	45	104	3	28	54	31	23	..	16	70
CLYDEBANK,	46,952	47,700	66	33	33	62	4	10	21	8	13	1	20	40
KIRKCALDY,	43,874	45,000	55	25	30	51	4	21	55	30	25	3	5	57
COATBRIDGE,	43,312	44,500	93	49	44	91	2	11	39	26	13	1	10	48
KILMARNOCK,	38,681	39,900	52	29	23	51	1	14	37	17	20	12	5	30
HAMILTON,	37,990	39,000	76	44	32	73	3	17	26	12	14	4	4	26
AYR,	38,905	40,700	57	36	21	50	7	18	53	29	24	17	2	38
FALKIRK,	36,566	38,200	55	30	25	52	3	14	39	24	15	8	1	32
DUNFERMLINE,	35,058	36,900	49	24	25	47	2	17	31	17	14	9	6	28
PERTH,	35,051	36,100	34	15	19	31	3	19	69	39	30	22	..	47
TOTAL (SIXTEEN TOWNS)	2,460,475	2,554,400	3703	1923	1780	3478	225	1237	2910	1501	1409	413	140	2637

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, February 1938.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW,	19·9	6·7	6·5	14·9	13·6	1·1	1·2	0·9	2·2	158	93
EDINBURGH,	16·4	6·1	7·0	16·7	13·8	0·6	0·9	0·7	1·5	45	79
DUNDEE,	19·3	6·5	5·3	15·6	14·8	0·1	1·2	0·8	1·4	18	74
ABERDEEN,	17·8	5·8	8·8	15·4	12·5	0·2	0·2	0·1	1·8	13	57
PAISLEY,	17·6	3·3	5·6	13·2	12·6	0·7	0·9	0·7	1·1	6	46
GREENOCK,	20·6	5·5	5·5	14·0	14·5	0·5	1·6	1·3	1·9	10	75
MOTHERWELL AND WISHAW,	20·7	2·8	5·4	10·4	13·5	0·6	1·0	0·8	2·3	10	97
CLYDEBANK,	18·0	6·1	2·7	5·7	10·9	1·1	1·1	0·8	2·2	7	109
KIRKCALDY,	15·9	7·3	6·1	15·9	16·5	0·3	..	..	2·6	3	60
COATBRIDGE,	27·2	2·2	3·2	11·4	14·0	0·6	1·5	0·9	2·0	8	99
KILMARNOCK,	17·0	1·9	4·6	12·1	9·8	0·3	0·3	..	0·7	3	52
HAMILTON,	25·4	3·9	5·7	8·7	8·7	0·7	0·7	0·3	1·3	..	..
AYR,	18·3	12·3	5·8	17·0	12·2	0·3	0·3	0·3	1·3	6	115
FALKIRK,	18·8	5·5	4·8	13·3	10·9	0·3	0·3	0·3	0·7	1	20
DUNFERMLINE,	17·3	4·1	6·0	10·9	9·9	0·4	..	..	1·1	4	87
PERTH,	12·3	8·8	6·9	24·9	17·0	0·4	1·1	1·1	4·0	3	77
TOTAL (SIXTEEN TOWNS)	18·9	6·1	6·3	14·9	13·5	0·7	1·0	0·7	1·9	295	81

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for February 1938, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								‡Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
FEB. 1938, .	**18·9**	**6·1**	**6·3**	**13·5**	**0**	**73**	**2**	**4**	**26**	**15**	**5**	**17**	**81**	**40°·9**
FEB. 1937, .	18·5	5·4	5·9	17·4	0	2	3	76	22	270	14	15	102	39°·0
FEB. 1936, .	18·8	5·4	6·4	16·6	2	17	8	11	12	37	6	26	116	36°·4
FEB. 1935, .	18·3	6·1	6·3	16·6	1	7	11	68	21	110	6	15	108	40°·7
FEB. 1934, .	19·1	6·8	6·3	14·5	0	7	18	18	26	22	16	17	121	42°·9
FEB. 1933, .	18·4	5·7	5·9	17·6	0	2	10	73	16	187	21	19	111	39°·4
FEB. 1932, .	20·2	5·9	6 5	17·7	3	111	21	29	27	102	20	17	142	40°·4
FEB. 1931, .	20·8	6·9	5·9	17·6	1	4	7	110	22	101	23	12	124	38°·1
FEB. 1930, .	21·0	7·1	5·6	17·3	1	78	10	33	32	42	10	21	122	35°·1
FEB. 1929, .	20·7	6·8	5·6	24·4	1	2	6	66	30	600	30	30	144	34°·2
FEB. 1928, .	20·2	7·0	6·5	15·8	0	120	5	79	37	42	5	15	111	40°·5

Figures in columns 5-14 have been corrected for non-resident deaths.
* Including Paratyphoid from 1931.
† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.
‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—February 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.											
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.
1	Typhoid Fever (including Paratyphoid) -	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4	Measles - - - - - -	73	43	30	17	52	1	1	1	–	–	1	–	–	–	–
5	Scarlet Fever - - - - -	2	1	1	–	–	–	1	–	–	1	–	–	–	–	–
6	Whooping-cough - - - - -	4	1	3	4	–	–	–	–	–	–	–	–	–	–	–
7	Diphtheria - - - - - -	26	6	20	1	15	8	1	–	–	1	–	–	–	–	–
8	Influenza - - - - - -	15	7	8	1	–	–	–	–	–	3	2	4	3	2	–
14 (1)	Cerebro-spinal Fever - - - -	5	2	3	–	3	–	2	–	–	–	–	–	–	–	–
14 (2)	Other Epidemic Diseases (2, 3, 9)* - -	17	10	7	2	2	–	1	3	1	–	1	4	1	1	1
10	Tuberculosis of Respiratory System -	145	86	59	1	3	2	2	38	37	28	22	8	4	–	–
11	Other Tuberculous Diseases - - -	44	21	23	6	10	2	7	10	5	2	–	1	1	–	–
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	6	3	3	2	–	–	–	1	1	–	–	1	1	–	–
15	Cancer, Malignant Disease - - -	304	124	180	–	–	–	1	4	7	26	29	90	104	39	4
18	Diabetes Mellitus - - - - -	25	6	19	–	–	–	–	–	–	2	1	9	9	4	–
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	52	26	26	2	2	4	2	5	3	6	12	7	9	–	–
22	Cerebral Hæmorrhage, &c. - - -	226	101	125	–	–	–	–	–	2	7	12	36	89	64	16
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	74	45	29	13	4	1	3	7	4	10	13	11	4	4	–
24	Heart Disease - - - - -	543	261	282	–	–	2	1	9	13	16	55	113	182	127	25
25	Other Circulatory Diseases - - -	61	37	24	–	–	–	–	–	1	1	4	11	17	22	5
26	Bronchitis - - - - - -	119	65	54	7	–	1	1	1	4	2	10	20	30	36	7
27	Pneumonia (all forms) - - - -	213	133	80	55	36	2	–	10	8	18	23	20	23	17	1
28	Other Respiratory Diseases - - -	33	17	16	3	2	–	–	–	2	2	3	9	6	3	3
32 (1)	Gastric and Duodenal Ulcer - - -	24	18	6	–	–	–	–	3	1	6	6	2	5	1	–
29	Diarrhœa, &c. (all ages) - - -	37	21	16	23	6	–	–	1	–	–	–	2	3	–	2
30	Appendicitis - - - - - -	15	10	5	–	1	2	1	1	2	–	1	4	1	2	–
31 (1)	Cirrhosis of Liver - - - - -	9	7	2	–	–	–	–	–	1	–	4	2	1	1	–
31 (2)	Other Diseases of Liver, &c. - - -	15	4	11	–	–	–	–	–	–	–	2	6	5	2	–
32 (2)	Other Digestive Diseases - - -	42	21	21	6	–	1	2	–	3	8	6	6	4	5	1
33	Acute and Chronic Nephritis - -	82	41	41	–	–	1	1	4	3	5	17	16	20	13	2
34	Other Dis. of Genito-Urinary System -	39	25	14	2	–	–	1	–	–	3	2	3	18	7	3
35	Puerperal Sepsis - - - - -	12	–	12	–	–	–	–	1	6	5	–	–	–	–	–
36	Other Puerperal Causes - - -	13	–	13	–	–	–	–	5	4	4	–	–	–	–	–
37	Diseases of Skin and Locomotor System -	20	13	7	5	–	–	1	2	1	–	3	2	4	2	–
38	Congen. Debil., Prem. Birth, Malform., &c.	136	86	50	135	1	–	–	–	–	–	–	–	–	–	–
39	Old Age - - - - - - -	82	34	48	–	–	–	–	–	–	–	–	–	11	47	24
40	Suicide - - - - - - -	20	15	5	–	–	–	–	–	1	4	7	5	3	–	–
42	Other Violence (41) - - - -	76	37	39	9	5	7	–	7	6	3	6	7	13	10	3
43	Causes Ill-defined or Unknown - -	28	20	8	1	1	–	–	1	–	1	4	6	11	2	1
	All Causes - -	2537	1347	1290	295	143	34	29	114	116	164	246	405	582	411	98

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—February 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles	73	60	9	1	...	...	...	2	1
5	Scarlet Fever	2	1	...	...	...	...	...	...	...
6	Whooping-cough	4	1	...	1	...	...	...	1	...
7	Diphtheria	26	7	4	...	2	5	1	...	2
8	Influenza...	15	10	4	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever	5	4	...	...	...	...	...	...	1
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	17	9	3	...	1	...	2	...	...
10	Tuberculosis of Respiratory System ...	145	77	26	11	2	5	8	4	3
11	Other Tuberculous Diseases	44	24	5	5	1	1	2	1	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	6	2	1	...	1	...	1	1	...
15	Cancer, Malignant Disease	304	115	69	29	17	10	11	11	6
18	Diabetes Mellitus	25	8	6	1	3	1	...	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	52	26	13	1	4	1	3	1	2
22	Cerebral Hæmorrhage, &c.	226	90	47	12	16	10	4	3	1
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	74	32	9	7	8	4	5	...	1
24	Heart Disease	543	210	118	62	40	18	12	18	5
25	Other Circulatory Diseases	61	22	12	3	11	5	1	...	...
26	Bronchitis	119	52	24	4	9	4	6	4	2
27	Pneumonia (all forms)	213	118	24	14	12	4	5	8	6
28	Other Respiratory Diseases	33	17	5	1	3	...	1	...	...
32 (1)	Gastric and Duodenal Ulcer	24	12	2	3	3	...	1	1	...
29	Diarrhœa, &c. (all Ages)	37	23	4	1	1	...	2	...	...
30	Appendicitis	15	5	6	1	1	...	...	1	...
31 (1)	Cirrhosis of Liver	9	5	2	1	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	15	2	5	3	...	...	1	1	...
32 (2)	Other Digestive Diseases	42	14	12	6	2	...	2	...	...
33	Acute and Chronic Nephritis	82	33	11	9	8	7	2	1	1
34	Oth. Diseases of Genito-Urinary System	39	19	14	...	1	...	2	...	...
35	Puerperal Sepsis	12	5	3	2	1	...	...	1	...
36	Other Puerperal Causes	13	5	5	1	1	...	1	...	...
37	Dis. of Skin, and of Locomotor System	20	8	3	2	1	1	1	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	136	68	20	10	6	5	6	...	5
39	Old Age	82	31	14	7	2	1	4	6	1
40	Suicide	20	10	3	2	1	1	...	1	...
42	Other Violence (41)	76	33	12	1	11	4	4	2	...
43	Causes Ill-defined or Unknown ...	28	14	3	1	2	1	2	1	2
	All Causes ...	2637	1172	498	202	171	88	90	70	40
	AGE AT DEATH.									
	Under 1	295	158	45	18	13	6	10	10	7
	1– 4	143	94	13	5	5	7	3	1	3
	5– 9	34	14	5	2	2	3	1	...	2
	10–14	29	18	2	2	...	2	1	2	...
	15–24	114	49	24	8	8	3	4	2	1
	25–34	116	51	18	7	11	...	9	5	6
	35–44	164	78	21	21	9	3	7	4	5
	45–54	246	118	49	18	13	8	10	4	3
	55–64	405	175	84	26	23	16	13	15	3
	65–74	582	240	118	50	43	21	18	16	6
	75–84	411	156	91	33	33	18	9	8	4
	85 and over	98	21	28	12	11	1	5	3	...
	Not stated	...	...	...	...	...	...	...	...	...
	All Ages ...	2637	1172	498	202	171	88	90	70	40

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—February 1938—*continued.*

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	...	...	...	...	...	...	...	...
5	Scarlet Fever	...	...	...	...	...	...	1	...
6	Whooping-cough	...	1	...	...	...	...	...	...
7	Diphtheria	...	1	...	2	1	...	...	1
8	Influenza...	...	...	...	...	...	1	...	...
14 (1)	Cerebro-spinal Fever	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	1	...	1	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	...	3	...	1	1	1	...	3
11	Other Tuberculous Diseases	...	2	1	1	...	...	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	9	5	5	4	4	4	1	4
18	Diabetes Mellitus	1	1	1	1	...	...	2	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	...	...	...	...	...	...	1	...
22	Cerebral Hæmorrhage, &c.	8	9	4	3	3	6	4	6
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	2	3	...	...	...	...	1	2
24	Heart Disease	14	7	6	4	8	6	7	8
25	Other Circulatory Diseases	...	2	1	1	...	1	...	2
26	Bronchitis	5	...	...	1	2	1	...	5
27	Pneumonia (all forms)	3	7	1	2	2	...	2	5
28	Other Respiratory Diseases	1	...	1	1	...	1	1	1
32 (1)	Gastric and Duodenal Ulcer	1	...	...	1	...	...	...	...
29	Diarrhœa, &c. (all Ages)	1	1	...	...	1	...	...	3
30	Appendicitis	...	...	...	...	...	...	1	...
31 (1)	Cirrhosis of Liver	...	1	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	...	...	...	1	1	...	...	1
32 (2)	Other Digestive Diseases	...	...	...	...	1	2	2	1
33	Acute and Chronic Nephritis	1	1	2	1	2	1	...	2
34	Oth. Diseases of Genito-Urinary System	2	...	...	...	...	...	...	1
35	Puerperal Sepsis	...	...	...	...	...	...	...	...
36	Other Puerperal Causes	...	...	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	1	...	2	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	2	3	3	...	4	1	2	1
39	Old Age	2	...	1	1	6	3	2	1
40	Suicide	...	...	...	...	1	1	...	...
42	Other Violence (41)	2	1	1	...	1	3	1	...
43	Causes Ill-defined or Unknown ...	1	...	...	1	...	...	...	...
	All Causes ...	57	48	30	26	38	32	28	47
	AGE AT DEATH.								
	Under 1	3	8	3	...	6	1	4	3
	1– 4	2	3	2	3	1	...	1	...
	5– 9	...	...	...	...	2	1	2	...
	10–14	1	...	1	...	...	...	...	...
	15–24	3	5	...	3	3	1	...	...
	25–34	...	3	...	1	3	...	1	1
	35–44	3	3	...	...	2	4	1	3
	45–54	4	5	1	4	2	1	2	4
	55–64	9	7	10	6	3	3	5	7
	65–74	16	10	9	6	5	9	5	10
	75–84	14	3	4	2	10	9	4	13
	85 and over	2	1	...	1	1	3	3	6
	Not stated	...	...	...	...	...	...	...	...
	All Ages ...	57	48	30	26	38	32	28	47

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of February 1938.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†		AIR TEMPERATURE. Mean of Maximum (A.)	Mean of Minimum (B.)	Mean of A and B (Mean Temperature).	Difference from Average.	Absolute Maximum and Minimum. Maximum.	Day of Month.	Minimum.	Day of Month.	HYGROMETER.* Mean of Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Difference from Average.	BRIGHT SUNSHINE. Hours per Day. Daily Mean.	Difference from Average.	Per Cent. of Possible.
	feet.	Mb.	inches.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	Mb.	%		inch.	inch.			
GLASGOW, (Abbotsinch Aerodrome), The Meteorological Office.	19	1022·8	30·203	46·0	36·4	41·2	+1·9	54	26*th*	26	15, 16 21	40·9	2·1	7·3	82	15	2·69	−0·54	1·67	−0·09	18
EDINBURGH, The Astronomer Royal for Scotland, Royal Observatory.	441	1023·0	30·210	45·1	36·3	40·7	+1·6	56	26*th*	31	11*th*	40·4	2·5	6·6	77	15	0·58	−1·08	2·57	−0·08	27
DUNDEE, College Gardens.	147	1021·8	30·173	45·7	34·5	40·1	+1·5	55	26*th*	28	15*th*	40·2	2·3	6·7	79	11	0·44	−1·44	2·24	−0·38	24
ABERDEEN, The Meteorological Office.	79	1021·3	30·160	45·3	36·8	41·1	+1·8	57	28*th*	27	21*st*	40·5	2·1	6·9	81	15	1·03	−1·02	2·21	−0·25	24
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1023·5	30·226	46·4	37·1	41·7	+1·7	53	26, 28	28	15*th*	41·4	1·9	7·4	83	15	2·53	−0·98	1·57	−0·32	17
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1022·9	30·207	46·0	36·7	41·3	+1·8	54	28*th*	31	15, 16	40·3	2·2	6·9	80	15	4·38	−0·98	1·46	..	15
KIRKCALDY, The Medical Officer of Health.	137	..	..	47·5	34·6	41·1	+1·2	56	27*th*	29	6*th*	42·0	1·9	7·6	83	8	0·59	..	..	..	..
KILMARNOCK, W. DUNBAR, C.E.	132	..	..	46·4	34·2	40·3	+0·5	53	26*th*	23	21*st*	40·3	2·0	6·9	82	13	1·73	−1·14	2·25	+0·34	24
AYR, The Medical Officer of Health.	43	..	..	47·9	35·5	41·7	..	59	28*th*	28	7*th*	42·1	1·7	7·7	85	11	1·14	..	2·02	..	21
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	45·7	34·7	40·2	..	55	26*th*	27	22*nd*	39·7	1·6	7·1	86	12	0·69	..	2·27	..	24
PERTH, J. RITCHIE, The Museum.	76	1022·7	30·201	47·1	33·6	40·3	+1·8	56	28*th*	24	7, 15	39·5	1·5	7·1	87	11	0·58	−1·69	2·23	−0·06	24
Means . .	147	1022·6	30·197	46·3	35·5	40·9	+1·5	..	..	..	..	40·7	2·0	7·1	82	13	1·48	−1·11	2·05	−0·12	22

North Latitude.—Glasgow, 55° 52′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Greenock, 55° 56′; Perth, 56° 24′; Mean, 56° 14′.
West Longitude.—Glasgow, 4° 17′; Edinburgh, 3° 11′; Dundee, 2° 58′; Aberdeen, 2° 6′; Paisley, 4° 26′; Greenock, 4° 46′; Perth, 3° 27′; Mean, 3° 36′.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.

† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars=29·531 mercury inches) and inches.

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MONTHLY RETURN
OF THE REGISTRAR-GENERAL
Scotland
BIRTHS, DEATHS AND MARRIAGES

Registered in sixteen of the Principal Towns

March, 1938

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 Census had populations of over 30,000, there were registered during the month of March 1938 the births (corrected for transfers) of 4,167 living children, of whom 2,180 were males and 1,987 were females. Compared with the number in the previous month the total births were 464 more, male births being 257 more and female births 207 more. The monthly birth-rate in these towns taken collectively was 19·2 per thousand. This rate is 0·3 more than that for the previous month and is 0·1 above the five years' average.

In the individual towns the monthly birth-rate ranged from 23·5 in Coatbridge and in Hamilton and 22·5 in Motherwell and Wishaw, to 16·9 in Edinburgh, 16·0 in Kirkcaldy and 13·1 in Perth. In Greenock the rate was 21·2, in Paisley 20·3, in Kilmarnock 20·3, in Glasgow 20·0, in Dundee 19·5, in Aberdeen 18·6, in Falkirk 18·5, in Clydebank 18·0, in Dunfermline 17·5 and in Ayr 17·1.

Of the 4,167 living children whose births were registered during the month, 3,927 or 94·2 per cent. were legitimate, while 240 or 5·8 per cent. were illegitimate. The legitimate children numbered 449 more than in the previous month and the illegitimate children 15 more. The illegitimate percentage for the month is 0·3 below that for the previous month. In the individual towns it ranged from 13·1 in Kirkcaldy, 8·5 in Ayr and 8·2 in Dundee, to 2·3 in Motherwell and Wishaw and 1·7 in Falkirk. There were no illegitimate births registered in Dunfermline. In Glasgow this percentage was 5·4 and in Edinburgh 6·5.

Marriages.—Marriages registered during the month numbered 1,349 and are 112 more than in the previous month. The marriage-rate, 6·2 per thousand, is 0·1 below that for the previous month but 0·4 above the average. In the individual towns it ranged from 8·0 in Dunfermline, 7·9 in Aberdeen and 6·8 in Glasgow, to 4·0 in Motherwell and Wishaw, 3·9 in Clydebank and 3·3 in Hamilton. In Edinburgh the rate was 6·4. The marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.—Deaths registered in the Sixteen Towns during the month (corrected for transfer) numbered 3,015, of whom 1,508 were males and 1,507 were females. This number is 378 more than in the previous month, males being 161 more and females 217 more.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.

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The monthly death-rate in these towns taken collectively was 13·9 per thousand, being 0·4 above that for the previous month but 1·5 below the average. This is the lowest death-rate recorded for March in these Returns, with the single exception of that for March 1933, which was 13·8. In the towns taken individually the death-rate ranged from 15·2 in Dundee, 15·1 in Coatbridge and 14·8 in Glasgow, to 12·3 in Hamilton, 11·5 in Kirkcaldy and 9·9 in Falkirk. In Ayr the rate was 13·9, in Kilmarnock 13·6, in Perth 13·4, in Edinburgh, in Paisley, in Greenock and in Dunfermline 13·1, in Motherwell and Wishaw 12·6, in Clydebank 12·6 and in Aberdeen 12·4.

Deaths of children aged less than one year numbered 355 and equalled an infantile mortality rate of 88 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. This is the lowest infantile mortality-rate ever recorded for March in this series of Returns. These deaths are 60 more than in the previous month, while the rate is 7 more than in that month but 18 below the average. In the individual towns this rate ranged from 182 in Hamilton, 139 in Clydebank and 138 in Kilmarnock, to 52 in Motherwell and Wishaw, 52 in Ayr, 50 in Edinburgh and 0 in Kirkcaldy. In Dundee the rate was 107, in Glasgow 106, in Greenock 96, in Perth 70, in Paisley 68, in Dunfermline 60, in Aberdeen 59, in Coatbridge 55 and in Falkirk 54.

Deaths from the principal epidemic diseases numbered 194 and equalled a death-rate of 0·9 per thousand. These deaths are 52 more than in the previous month and the rate is 0·2 more. They include 3 from typhoid fever, 106 from measles, 9 from scarlet fever, 7 from whooping-cough, 35 from diphtheria, 19 from influenza, 10 from cerebro-spinal fever, and 5 from other epidemic diseases, 1 of which was ascribed to dysentery, 1 to erysipelas and 3 to lethargic encephalitis. Compared with the number in the previous month deaths from typhoid fever are 3 more, from measles 33 more, from scarlet fever 7 more, from whooping-cough 3 more, from diphtheria 9 more, from influenza 4 more, from cerebro-spinal fever 5 more, and from other epidemic diseases 12 fewer.

Deaths attributed to respiratory diseases exclusive of those associated with tuberculosis and with influenza numbered 425 and equalled a death-rate of 2·0 per thousand. It is the lowest death-rate from respiratory diseases on record for March in this series of Returns. Compared with the number in the previous month these deaths are 60 more, while the rate is 0·1 more but is 0·8 below the average.

As already indicated, the death-rate from all causes, from respiratory diseases and the infantile mortality-rate have been, with the single exception noted for the general death-rate, the lowest on record for March. In all three cases the rates for February were also the lowest on record. It may be pointed out that during the first three months of this year the mean temperature for the Sixteen Towns has been well above the average for the past 30 years, that for March being the highest on record for the month.

Deaths from all forms of tuberculosis numbered 200, of which 157 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 11 more and those from respiratory tuberculosis 12 more. Compared with the average the former are 17 fewer and the latter 6 fewer.

METEOROLOGICAL NOTES
supplied by the Meteorological Office, Edinburgh.

MARCH 1938.

Mean barometric pressure, 30·024 ins.; greater than the average* by 0·194 in.
Mean temperature, 47·7° F.; greater by 6·9° F.
Mean daily range of temperature, 10·6° F.; less by 0·7° F.
Mean daily sunshine, 2·86 hours; less by 0·24 hour.
Rain, depth in inches, 2·08; less by 0·48 inch.
Wind, direction of: a 12 days' excess of winds between South and West.

The weather of March was dominated by anticyclones over England which often extended over the greater part of France and Germany, while several

* The averages or normals in the case of pressure and rainfall refer to the period 1881–1915 and in the case of temperature and sunshine to the period 1906–35.

depressions passed north-east on our western seaboard. This resulted in exceptionally dry weather over England and the east of Scotland, while exceedingly heavy rain and frequent gales were experienced in western districts and the extreme north. The most severe gales occurred between the 2nd and 5th, when wind gusts up to 86 miles per hour were registered at Lerwick, 77 miles per hour at Kirkwall and 76 miles per hour at Stornoway. Depressions moving between Scotland and Iceland from the 16th to the 19th occasioned further gales in northern districts. The highest gust recorded in this period was 80 m.p.h. at Stornoway on the 18th. In Edinburgh the extremes of pressure were 30·59 inches on the 4th and 29·47 inches on the 20th.

The remarkably high mean temperatures established a new record for March. The excess over the normal for Scotland as a whole was 6·9° F. The greatest excess in any previous month in the past 22 years was 5·7° F. in January 1916 and in December 1924. The mean temperature at Balmoral during March, 46·3° F., was 9·7° F. above its normal. Individual maxima of 60° F. or more were unusually frequent and occurred at Forres on 9 days, Logie Coldstone on 7 days and at Aberdeen on 6 days. The warmest days were the 11th and 30th. On the former day 65° F. was registered at Arbroath, Dundee and Perth. Stonehaven had a maximum of 68° F. on the 30th, when 65° F. was reached at Aberdeen, Craibstone and Arbroath. The lowest temperatures of the month were registered in most places on the 22nd or the 26th. The extreme minima reported were 21° F. at Braemar, 24° F. at Balmoral and 25° F. at Logie Coldstone, all on the 22nd. Ground frosts were registered in one place or other on 16 nights; they were remarkably few for the time of year, no station reporting frost on more than 8 nights. The lowest readings were 16° F. at Dalwhinnie, 18° F. at Leuchars and Balmoral, and 19° F. at Braemar, all on the 22nd.

Sunshine was deficient over the greater part of Scotland, and markedly so in the west, but Inverness and some places on the east coast had more than the normal. The largest aggregates were 129 hours at St. Andrews, 128 hours at Leuchars, 127 hours at Inverness and 126 hours at Montrose. Less than half the normal sunshine was registered in the Western Highlands and Outer Hebrides. The smallest aggregates reported were 43 hours at Fort William and Onich and 47 hours at Duntuilm (Skye).

The distribution of rainfall was strikingly contrasted. In all districts north and west of the Clyde the month's falls exceeded the average, and generally by considerable amounts. Monthly totals of 20 inches and upwards were numerous; Kinlochquoich and Loan (Inverness) had the remarkable totals of 40·03 and 50·03 inches respectively. So far as is known, the latter is the greatest monthly rainfall ever measured in Great Britain. The deficiency in the east and south of Scotland was no less remarkable. Balmoral, only 80 miles from Kinlochquoich, had only 0·47 inch. In East Lothian, Dunbar had 0·25 inch and East Fortune only 0·19 inch. In this area the only day with more than a sprinkling of rain was the 20th. Daily falls of an inch or more were frequent in the wet areas of the west. Kinlochquoich had 16 days and Glenquoich 12 days with more than an inch of rain. The heaviest daily fall was 5·10 inches at Kinlochquoich on the 23rd. This station also had 4·05 inches on the 28th. Other days on which more than 3 inches of rain fell at one or more stations in the Western Highlands were the 1st, 7th, 15th, 16th, 24th, 29th and 30th.

Snow fell widely on the 25th but was nowhere heavy. It was also reported locally on the 1st, 19th, 21st, 24th, 26th and 27th.

Hail fell at many places on the 25th and locally on 11 other days.

Fog, mainly of coastal type, was reported on 9 days.

Gales were reported on 23 days and were often severe in the north and west, especially from the 1st to 5th and 16th to 19th. Lerwick experienced gales on 16 days.

Thunder occurred on 5 days. Storms were widespread in south and west Scotland on the 1st.

Aurora was noted on 11 days. It was most widely observed on the 25th and 26th, when it was seen as far south as Eskdalemuir and St. Abb's Head.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 24.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, March 1938.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
									REGISTERED			TRANSFERS (Both Sexes.)		
	Census 1931.	Estimated to middle of 1938. (Provisional.)	Both Sexes.	Males.	Females.	Legitimate.	Illegitimate.		Both Sexes.	Males.	Females.	Out.	In.	Corrected for Transfers (Both Sexes)
GLASGOW,	1,088,524	1,121,200	1901	1015	886	1799	102	645	1559	836	723	182	34	1411
EDINBURGH,	439,010	469,700	675	361	314	631	44	255	625	308	317	116	14	523
DUNDEE,	175,681	177,600	294	157	137	270	24	76	244	106	138	23	8	229
ABERDEEN,	169,803	178,200	281	146	135	261	20	119	227	112	115	44	5	188
PAISLEY,	86,445	91,100	157	86	71	149	8	34	97	56	41	18	22	101
GREENOCK,	79,012	81,100	146	67	79	141	5	31	94	53	41	9	5	90
MOTHERWELL AND WISHAW,	65,611	67,500	129	62	67	126	3	23	58	28	30	1	15	72
CLYDEBANK,	46,952	47,700	73	35	38	68	5	16	29	13	16	3	25	51
KIRKCALDY,	43,874	45,000	61	19	42	53	8	20	39	19	20	1	6	44
COATBRIDGE,	43,312	44,500	89	41	48	84	5	19	47	24	23	..	10	57
KILMARNOCK,	38,681	39,900	69	43	26	65	4	19	51	19	32	7	2	46
HAMILTON,	†38,112	39,100	78	40	38	74	4	11	37	19	18	2	6	41
AYR,	38,905	40,700	59	26	33	54	5	22	72	38	34	28	4	48
FALKIRK,	36,566	38,200	60	32	28	59	1	16	40	20	20	12	4	32
DUNFERMLINE,	35,058	36,900	55	32	23	55	..	25	47	24	23	11	5	41
PERTH,	35,051	36,100	40	18	22	38	2	18	55	22	33	16	2	41
TOTAL (SIXTEEN TOWNS)	†2,460,597	2,554,500	4167	2180	1987	3927	240	1349	3321	1697	1624	473	167	3015

† Hamilton Burgh boundaries extended.

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, March 1938.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases (not Tuberc.)		
				Registered.	Corr. for Transfers.					Number.	* Rate per 1000 Births.
GLASGOW,	20·0	5·4	6·8	16·4	14·8	1·3	1·1	0·9	2·5	199	106
EDINBURGH,	16·9	6·5	6·4	15·7	13·1	0·4	0·9	0·7	1·5	32	50
DUNDEE,	19·5	8·2	5·0	16·2	15·2	0·8	0·9	0·7	1·7	29	107
ABERDEEN,	18·6	7·1	7·9	15·0	12·4	0·5	0·5	0·5	1·3	15	59
PAISLEY,	20·3	5·1	4·4	12·5	13·1	1·3	0·4	0·3	1·4	10	68
GREENOCK,	21·2	3.4	4·5	13·6	13·1	0·1	1·3	0·7	1·3	14	96
MOTHERWELL AND WISHAW,	22·5	2·3	4·0	10·1	12·6	0·3	1·0	0·5	2·4	6	52
CLYDEBANK,	18·0	6·8	3·9	7·2	12·6	1·2	0·2	0·2	3·2	10	139
KIRKCALDY,	16·0	13·1	5·2	10·2	11·5	1·0	0·5	0·5	1·0	..	..
COATBRIDGE,	23·5	5·6	5·0	12·4	15·1	0·8	1·1	1·1	2·6	5	55
KILMARNOCK,	20·3	5·8	5·6	15·0	13·6	1·2	..	..	1·8	9	138
HAMILTON,	23·5	5·1	3·3	11·1	12·3	0·9	0·9	0·9	2·4	14	182
AYR,	17·1	8·5	6·4	20·9	13·9	0·9	0·6	0·3	..	3	52
FALKIRK,	18·5	1·7	4·9	12·3	9·9	..	0·6	0·6	1·2	3	54
DUNFERMLINE,	17·5	..	8·0	15·0	13·1	0·3	1·6	1·6	0·3	3	60
PERTH,	13·1	5·0	5·9	13·0	13·4	0·3	0·3	0·3	1·3	3	70
TOTAL (SIXTEEN TOWNS)	19·2	5·3	6·2	15·3	13·9	0·9	0·9	0·7	2·0	355	88

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for March 1938, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM *Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.	‡Infantile Mortality Rate.	Mean Temperature.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
MAR. 1938, .	19·2	5·8	6·2	13·9	3	106	9	7	35	19	10	5	88	47°·7
MAR. 1937, .	18·4	5·1	6·9	16·3	0	6	7	104	19	64	10	18	115	36°·9
MAR. 1936, .	19·5	5·8	6·1	15·7	3	56	1	20	19	49	13	26	104	42°·9
MAR. 1935, .	19·3	5·8	5·8	16·2	2	4	8	85	38	224	4	11	115	43°·8
MAR. 1934, .	19·2	5·9	5·4	14·8	0	63	23	15	32	32	14	20	109	40°·4
MAR. 1933, .	19·2	6·0	5·0	13·8	0	6	12	61	17	50	26	18	89	44°·0
MAR. 1932, .	20·5	5·9	6·2	18·8	0	147	18	23	25	229	18	27	152	41°·5
MAR. 1931, .	21·4	6·4	5·7	18·1	0	5	7	126	19	159	23	21	120	37°·8
MAR. 1930, .	21·2	6·7	6·4	17·5	1	127	6	59	30	57	28	30	130	39°·6
MAR. 1929, .	20·2	6·8	5·1	17·4	0	3	6	73	20	118	41	13	107	43°·4
MAR. 1928, .	21·9	6·1	5·0	16·8	1	138	3	106	30	54	15	18	121	40°·5

Figures in columns 5-14 have been corrected for non-resident deaths.
* Including Paratyphoid from 1931.
† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.
‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—March 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age. -1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.
1	Typhoid Fever (including Paratyphoid)	3	3	-	-	-	-	-	1	-	2	-	-	-	-	-
4	Measles	106	54	52	33	64	7	1	-	1	-	-	-	-	-	-
5	Scarlet Fever	9	5	4	-	7	1	-	-	-	-	1	-	-	-	-
6	Whooping-cough	7	3	4	3	4	-	-	-	-	-	-	-	-	-	-
7	Diphtheria	35	14	21	4	19	11	1	-	-	-	-	-	-	-	-
8	Influenza	19	10	9	1	2	-	-	1	-	4	2	4	2	2	1
14 (1)	Cerebro-spinal Fever	10	5	5	4	2	1	-	-	1	-	-	1	1	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)*	5	1	4	-	1	-	-	-	2	1	-	-	-	1	-
10	Tuberculosis of Respiratory System	157	94	63	4	4	-	3	43	24	22	28	19	10	-	-
11	Other Tuberculous Diseases	43	23	20	4	6	7	5	12	1	3	5	-	-	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	10	5	5	4	-	-	-	1	-	1	2	-	1	1	-
15	Cancer, Malignant Disease	336	154	182	-	-	-	1	3	8	15	30	88	110	47	8
18	Diabetes Mellitus	29	6	23	-	-	-	-	2	1	1	1	8	10	6	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	62	29	33	2	1	5	-	6	4	8	4	9	16	7	-
22	Cerebral Hæmorrhage, &c.	277	113	164	-	-	-	-	1	1	2	14	54	109	85	11
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	76	37	39	18	5	1	1	4	5	9	12	10	9	2	-
24	Heart Disease	642	282	360	-	-	-	5	8	15	18	52	115	226	171	32
25	Other Circulatory Diseases	55	28	27	-	-	-	-	-	-	-	2	10	15	23	5
26	Bronchitis	132	68	64	6	1	1	1	1	3	4	17	19	43	32	4
27	Pneumonia (all forms)	252	150	102	63	42	7	3	10	10	15	21	36	25	15	5
28	Other Respiratory Diseases	41	23	18	4	2	2	-	1	2	1	7	5	10	5	2
32 (1)	Gastric and Duodenal Ulcer	27	22	5	-	-	-	-	2	1	5	3	7	5	4	-
29	Diarrhœa, &c. (all ages)	41	21	20	27	6	1	-	-	1	3	1	-	-	1	1
30	Appendicitis	19	14	5	-	-	2	5	3	3	-	2	1	1	2	-
31 (1)	Cirrhosis of Liver	12	7	5	-	-	-	-	-	-	2	3	4	2	1	-
31 (2)	Other Diseases of Liver, &c.	14	5	9	-	-	-	-	-	1	2	-	8	2	1	-
32 (2)	Other Digestive Diseases	37	19	18	4	2	1	-	-	4	3	4	5	4	7	3
33	Acute and Chronic Nephritis	72	31	41	-	-	-	3	5	8	4	11	15	15	11	-
34	Other Dis. of Genito-Urinary System	42	29	13	1	-	-	-	2	2	3	3	6	11	11	3
35	Puerperal Sepsis	4	-	4	-	-	-	-	-	3	1	-	-	-	-	-
36	Other Puerperal Causes	8	-	8	-	-	-	-	-	5	3	-	-	-	-	-
37	Diseases of Skin and Locomotor System	15	10	5	3	2	-	-	1	1	-	1	4	3	-	-
38	Congen. Debil., Prem. Birth, Malform., &c.	157	92	65	157	-	-	-	-	-	-	-	-	-	-	-
39	Old Age	81	31	50	-	-	-	-	-	-	-	-	-	18	43	20
40	Suicide	31	21	10	-	-	-	-	2	2	6	4	10	4	2	1
42	Other Violence (41)	113	73	40	11	2	4	6	7	10	9	14	17	12	17	4
43	Causes Ill-defined or Unknown	36	26	10	2	1	1	-	1	1	2	2	8	13	5	-
	ALL CAUSES	3015	1508	1507	355	173	52	35	117	120	149	266	463	683	502	100

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—March 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	3	...	...	...	...	...	...	...	...
4	Measles	106	79	4	7	2	7	...	...	2
5	Scarlet Fever	9	6	1	...	...	...	...	...	1
6	Whooping-cough	7	1	1	1	3	...	...	...	...
7	Diphtheria	35	19	6	1	1	2	...	...	1
8	Influenza...	19	11	2	...	1	...	1	1	...
14 (1)	Cerebro-spinal Fever	10	4	2	2	...	1	...	...	1
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	5	2	...	1	...	...	...	1	...
10	Tuberculosis of Respiratory System ...	157	83	28	10	7	2	5	3	1
11	Other Tuberculous Diseases	43	23	7	4	...	1	4	3	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	10	7	1	...	...	...	1	1	...
15	Cancer, Malignant Disease	336	140	78	35	18	11	11	6	4
18	Diabetes Mellitus	29	8	3	2	2	1	2	3	2
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	62	28	6	6	3	3	4	1	3
22	Cerebral Hæmorrhage, &c.	277	115	49	19	28	10	8	4	5
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	76	31	11	4	8	4	3	1	1
24	Heart Disease	642	281	133	63	48	12	12	19	4
25	Other Circulatory Diseases	55	19	15	3	2	4	1	...	1
26	Bronchitis	132	70	21	7	5	6	2	6	2
27	Pneumonia (all forms)	252	150	33	16	7	4	6	8	9
28	Other Respiratory Diseases	41	16	7	2	7	1	1	...	2
32 (1)	Gastric and Duodenal Ulcer	27	13	5	...	1	3	1	...	1
29	Diarrhœa, &c. (all Ages)	41	17	7	...	1	2	4	1	1
30	Appendicitis	19	6	4	3	2	1	...	...	...
31 (1)	Cirrhosis of Liver	12	6	3	...	2	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	14	4	4	...	3	1	...	...	...
32 (2)	Other Digestive Diseases	37	12	9	1	3	4	1	1	1
33	Acute and Chronic Nephritis	72	30	9	6	5	4	3	2	...
34	Oth. Diseases of Genito-Urinary System	42	16	9	3	4	4	...	...	2
35	Puerperal Sepsis	4	...	1	1	...	...	...	1	...
36	Other Puerperal Causes	8	7	...	...	...	...	...	1	...
37	Dis. of Skin, and of Locomotor System	15	7	1	1	1	...	1	2	...
38	Congenital Debility, Premature Birth, Malformations, &c.	157	81	16	15	6	5	8	3	4
39	Old Age	81	32	15	8	6	2	3	2	2
40	Suicide	31	11	10	4	1	1	...	1	...
42	Other Violence (41)	113	56	19	4	8	4	5	1	...
43	Causes Ill-defined or Unknown ...	36	20	3	...	3	1	3	...	1
	All Causes ...	3015	1411	523	229	188	101	90	72	51
	AGE AT DEATH.									
	Under 1	355	199	32	29	15	10	14	6	10
	1– 4	173	113	15	10	5	10	1	2	3
	5– 9	52	25	11	4	3	2	1	...	5
	10–14	35	15	8	3	2	3	...	2	...
	15–24	117	60	13	8	4	2	8	6	4
	25–34	120	62	15	14	5	6	4	3	2
	35–44	149	69	20	6	7	4	7	6	3
	45–54	266	130	45	17	19	10	8	8	4
	55–64	463	215	77	41	30	11	16	8	9
	65–74	683	292	143	56	46	20	22	14	7
	75–84	502	200	118	33	39	23	6	15	4
	85 and over	100	31	26	8	13	...	3	2	...
	Not stated	...	...	...	...	...	...	...	...	...
	All Ages ...	3015	1411	523	229	188	101	90	72	51

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—March 1938—*continued.*

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	1	1	...	...	...	...	...	1
4	Measles	...	2	1	2	...	...	...	...
5	Scarlet Fever	1	...	...	...	...	...	...	...
6	Whooping-cough	...	...	...	1	...	...	...	...
7	Diphtheria	...	...	2	...	3	...	...	...
8	Influenza...	1	...	1	...	...	...	1	...
14 (1)	Cerebro-spinal Fever	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	1	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	2	4	...	3	1	2	5	1
11	Other Tuberculous Diseases	...	...	...	...	1	...	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	3	7	2	...	6	6	4	5
18	Diabetes Mellitus	...	2	1	...	1	1	1	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	2	...	1	1	...	1	2
22	Cerebral Hæmorrhage, &c.	6	9	3	3	6	...	7	5
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	1	2	3	1	2	2	...	2
24	Heart Disease	9	7	16	8	9	5	7	9
25	Other Circulatory Diseases	1	1	...	1	3	3	1	...
26	Bronchitis	3	5	2	2	...	1	...	...
27	Pneumonia (all forms)	1	5	3	3	...	3	1	3
28	Other Respiratory Diseases	...	...	1	3	...	...	...	1
32 (1)	Gastric and Duodenal Ulcer	...	...	...	...	1	...	1	1
29	Diarrhœa, &c. (all Ages)	1	1	...	2	1	1	1	1
30	Appendicitis	...	1	...	...	...	...	2	...
31 (1)	Cirrhosis of Liver	...	...	...	...	1	...	...	...
31 (2)	Other Diseases of Liver, &c.	...	...	...	1	...	1	...	...
32 (2)	Other Digestive Diseases	2	...	...	...	1	...	1	1
33	Acute and Chronic Nephritis	2	...	1	1	6	1	1	1
34	Oth. Diseases of Genito-Urinary System	1	...	2	...	...	...	1	...
35	Puerperal Sepsis	...	...	...	...	1	...	...	...
36	Other Puerperal Causes	...	...	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	...	...	...	...	1	...	...	1
38	Congenital Debility, Premature Birth, Malformations, &c.	...	1	6	6	2	2	1	1
39	Old Age	5	1	...	1	...	3	...	1
40	Suicide	...	1	...	...	...	...	1	1
42	Other Violence (41)	1	4	2	1	...	1	3	4
43	Causes Ill-defined or Unknown ...	1	1	...	1	1	...	1	...
	All Causes ...	44	57	46	41	48	32	41	41
	AGE AT DEATH.								
	Under 1	...	5	9	14	3	3	3	3
	1– 4	2	3	3	1	2	...	...	3
	5– 9	...	...	...	...	1	...	...	...
	10–14	...	...	1	...	...	...	...	1
	15–24	1	4	1	2	...	3	1	...
	25–34	...	1	...	1	5	1	1	...
	35–44	5	4	2	3	2	5	3	3
	45–54	2	6	4	1	4	1	5	2
	55–64	9	11	6	6	7	5	9	3
	65–74	14	15	12	6	11	5	8	12
	75–84	8	8	6	7	8	7	11	9
	85 and over	3	...	2	...	5	2	...	5
	Not stated	...	...	...	...	...	...	...	...
	All Ages ...	44	57	46	41	48	32	41	41

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of March 1938.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†		AIR TEMPERATURE. Mean of Maximum (A.)	Mean of Minimum (B.)	Mean of A and B (Mean Temperature).	Difference from Average.	Absolute Maximum and Minimum. Maximum.	Day of Month.	Minimum.	Day of Month.	HYGROMETER.* Mean of Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Difference from Average.	BRIGHT SUNSHINE. Hours per Day. Daily Mean.	Difference from Average.	Per Cent. of Possible.
	est.	Mb.	inches.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	Mb.	%		inch.	inch.			
GLASGOW, (Abbotsinch Aerodrome), The Meteorological Office.	19	1017·5	30·046	52·1	42·9	47·5	+6·2	60	13*th*	29	22*nd*	46·9	1·4	9·9	89	21	3·00	+0·20	2·27	−0·77	19
EDINBURGH, The Astronomer Royal for Scotland, Royal Observatory.	441	1017·5	30·046	52·7	42·6	47·7	+7·4	61	13*th*	31	26*th*	46·8	2·5	8·8	81	14	0·57	−1·40	3·94	+0·34	34
DUNDEE, College Gardens.	147	1016·0	30·003	55·1	41·4	48·2	+7·8	65	11*th*	31	26*th*	48·3	2·9	9·0	78	7	0·42	−1·64	3·91	+0·57	33
ABERDEEN, The Meteorological Office.	79	1014·3	29·953	54·2	42·6	48·4	+8·1	65	30*th*	31	22*nd*	48·1	3·3	8·7	77	10	0·51	−1·90	3·34	−0·17	[illegible]
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1018·0	30·063	52·5	43·6	48·1	+6·3	60	12, 13	33	22, 26	47·7	1·6	9·9	88	21	3·11	−0·07	2·35	−0·81	20
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1017·8	30·055	51·2	43·2	47·2	+6·3	58	12, 13	34	26*th*	46·3	1·5	9·4	88	23	6·62	+1·97	1·94	..	16
KIRKCALDY, The Medical Officer of Health.	137	..	..	53·7	42·8	48·3	+6·7	59	12*th*	30	22*nd*	48·8	2·0	10·0	85	15	0·99	..	..	..	..
KILMARNOCK, W. DUNBAR, C.E.	132	..	..	51·5	42·3	46·9	+5·7	59	13*th*	28	22*nd*	47·4	1·4	10·0	89	22	3·65	+0·85	2·23	−1·03	19
AYR, The Medical Officer of Health.	43	..	..	52·1	41·4	46·7	..	57	13*th*	38	11, 24	47·9	1·5	10·1	89	15	2·30	..	2·39	..	20
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	52·8	41·7	47·3	..	61	13*th*	30	26*th*	47·0	1·5	9·7	89	14	1·12	..	2·57	..	22
PERTH, J. RITCHIE, The Museum.	76	1016·1	30·005	55·2	41·6	48·4	+7·7	65	11*th*	26	22*nd*	47·7	0·9	10·5	93	8	0·62	−1·87	3·69	+0·22	31
Means . .	147	1016·7	30·024	53·0	42·4	47·7	+6·9	..	..	..	..	47·5	1·9	9·6	86	15	2·08	−0·48	2·86	−0·24	24

North Latitude.—Glasgow, 55° 52′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Greenock, 55° 56′; Perth, 56° 24′; Mean, 56° 14′.
West Longitude.—Glasgow, 4° 17′; Edinburgh, 3° 11′; Dundee, 2° 58′; Aberdeen, 2° 6′; Paisley, 4° 26′; Greenock, 4° 46′; Perth, 3° 27′; Mean, 3° 36′.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.

† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars=29·531 mercury inches) and inches.

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MONTHLY RETURN OF THE REGISTRAR-GENERAL

Scotland

BIRTHS, DEATHS AND MARRIAGES

Registered in sixteen of the Principal Towns

April, 1938

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of April 1938 the births (corrected for transfers) of 4,267 living children, of whom 2,213 were males and 2,054 were females. Compared with the number in the previous month, the total births were 100 more, male births being 33 more and female births 67 more. The monthly birth-rate in these towns taken collectively was 20·3 per thousand. This rate is 1·1 more than that for the previous month and is 0·1 above the five years' average.

In the individual towns the monthly birth-rate ranged from 24·2 in Falkirk, 23·8 in Coatbridge and 23·3 in Hamilton, to 16·6 in Aberdeen, 15·9 in Perth and 15·5 in Dunfermline. In Clydebank the rate was 23·2, in Kilmarnock 22·9, in Ayr 22·7, in Glasgow 21·9, in Greenock 21·6, in Kirkcaldy 20·5, in Paisley 20·0, in Motherwell and Wishaw 19·7, in Dundee 18·6 and in Edinburgh 17·6.

Of the 4,267 living children whose births were registered during the month, 4,033 or 94·5 per cent. were legitimate, while 234 or 5·5 per cent. were illegitimate. The legitimate children numbered 106 more than in the previous month but the illegitimate children 6 fewer. The illegitimate percentage for the month is 0·3 below that for the previous month. In the individual towns it ranged from 9·3 in Hamilton, 7·9 in Ayr and 7·6 in Greenock, to 2·2 in Clydebank, 1·3 in Kirkcaldy and 1·1 in Coatbridge. In Glasgow this percentage was 5·4 and in Edinburgh 7·5.

Marriages.—Marriages registered during the month numbered 2,033 and are 684 more than in the previous month. The marriage-rate, 9·7 per thousand, is 3·5 above that for the previous month but is the same as the average. In the individual towns it ranged from 12·3 in Ayr, 10·4 in Glasgow and 10·3 in Kirkcaldy, to 6·5 in Greenock, 6·4 in Clydebank and 6·1 in Falkirk. In Edinburgh this rate was 9·8. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.—Deaths registered in the Sixteen Towns during the month (corrected for transfer) numbered 2,681, of whom 1,411 were males and 1,270

NOTE.—The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.

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were females. This number is 334 fewer than in the previous month, males being 97 fewer and females 237 fewer.

The monthly death-rate in these towns taken collectively was 12·8 per thousand, being 1·1 below that for the previous month and 1·4 below the average. In the towns taken individually the death-rate ranged from 14·4 in Dundee, 14·2 in Coatbridge and 13·9 in Glasgow, to 10·6 in Hamilton, 10·3 in Paisley and 9·9 in Dunfermline. In Greenock the rate was 12·9, in Clydebank 12·7, in Kirkcaldy 12·4, in Aberdeen and in Kilmarnock 11·6, in Edinburgh 11·4, in Motherwell and Wishaw and in Falkirk 11·2, and in Ayr and in Perth 10·8.

Deaths of children aged less than one year numbered 328 and equalled an infantile mortality rate of 85 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. These deaths are 27 fewer than in the previous month, while the rate is 3 less than in that month and 13 below the average. It is the lowest rate hitherto recorded for the month in these towns. In the individual towns this rate ranged from 113 in Clydebank and in Kirkcaldy and 108 in Greenock, to 41 in Hamilton, 36 in Falkirk and 17 in Ayr. In Aberdeen the rate was 99, in Glasgow 97, in Dundee 93, in Coatbridge 90, in Motherwell and Wishaw 71, in Dunfermline 64, in Edinburgh 63, in Paisley 49, and in Kilmarnock and in Perth 48.

Causes of Death.—Deaths from the principal epidemic diseases numbered 179 and equalled a death-rate of 0·9 per thousand. These deaths are 15 fewer than in the previous month but the rate is the same. They include none from typhoid fever, 111 from measles, 8 from scarlet fever, 7 from whooping-cough, 18 from diphtheria, 16 from influenza, 7 from cerebro-spinal fever, and 12 from other epidemic diseases, 4 of which were ascribed to dysentery, 4 to erysipelas and 4 to lethargic encephalitis. Compared with the number in the previous month deaths from measles are 5 more, from scarlet fever 1 fewer, from whooping-cough the same, from diphtheria 17 fewer, from influenza 3 fewer, from cerebro-spinal fever 3 fewer and from other epidemic diseases 7 more. In the previous month 3 deaths were registered from typhoid fever.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 341 and equalled a death-rate of 1·6 per thousand. Compared with the number in the previous month these deaths are 84 fewer, while the rate is 0·4 less and is 0·5 below the average. It is the lowest rate hitherto recorded for this month.

Deaths from all forms of tuberculosis numbered 197, of which 140 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 3 fewer and those from respiratory tuberculosis 17 fewer. Compared with the average the former are 23 fewer and the latter 30 fewer.

METEOROLOGICAL NOTES
supplied by the Meteorological Office, Edinburgh.

APRIL 1938.

Mean barometric pressure, 30·322 ins.; greater than the average* by 0·403 in.
Mean temperature, 46·4° F.; greater by 1·9° F.
Mean daily range of temperature, 15·5° F.; greater by 1·9° F.
Mean daily sunshine, 5·49 hours; greater by 0·67 hour.
Rain, depth in inches, 0·39; less by 1·62 inch.
Wind, direction of; a nine days' excess of west and north-west winds.

At the beginning of the month a deep depression between Scotland and the Faroes occasioned unsettled weather with gales on the north-west seaboard and along the east coast. Thereafter an unusually persistent anticyclone became

* The averages or normals in the case of pressure and rainfall refer to the period 1881–1915 and in the case of temperature and sunshine to the period 1906–35.

established to the north and west of the British Isles, and mainly fine and very dry weather was experienced generally in Scotland. Mean barometric pressure for the country as a whole was the highest recorded in the month of April for at least eighty years. In Edinburgh the extremes of pressure were 30·79 inches on the 11th and 29·67 inches on the 2nd.

Mean temperatures were above the average in all parts of Scotland except in the extreme south-west, where there was a slight deficiency. The greatest excess, amounting to 3° F. or a little more, occurred in Angus and Perthshire. This was the fourth successive month with mean temperature above normal. The warmest days were the 5th, 11th, 12th and 16th, when shade maxima of 60° F. or above were recorded in all districts except the extreme north. The highest individual values were 65° F. at Wolfelee, Stirling and Crieff on the 12th; 64° F. was registered at Leuchars, Cupar, St. Andrews, Kettins and Dundee on the 5th, at Stonehaven on the 6th, at Braemar on the 11th and at Ruthwell on the 16th. In most places the lowest temperatures of the month were recorded between the 9th and 11th or on the 17th and 18th. The extreme minima reported were 20° F. at Dalwhinnie on the 9th, 21° F. at Braemar on the 10th and 11th, and 22° F. at West Linton on the 10th and at Kilmarnock on the 18th. Ground frosts were registered at one place or other on every night except the 6th and 7th. During the second week they were widespread and often severe. The lowest readings were 10° F. at Dalwhinnie on the 9th, and 13° F. at Dalwhinnie and Leuchars on the 10th and at West Linton on the 17th.

Sunshine totals were below average north of a line from the Firth of Tay to the island of Lewis and above average south of this line. The largest aggregates were 192 hours at Ayr and 189 hours at Troon. More than 180 hours' sunshine were also registered at Rothesay, Prestwick, Helensburgh and Dumfries, these totals representing excesses of about 40 hours over the normal for April. The least sunny areas were around the Cromarty Firth and in Orkney and Shetland. Some low aggregates were 101 hours at Gordon Castle, 103 hours at Lerwick and 107 hours at Deerness.

April was remarkably dry over the whole of Scotland, and at many places in the east new low records were set up. The total fall for the month did not reach one-tenth of an inch over large areas in the east and south. This, following upon an exceptionally dry March, caused considerable concern to interested authorities. At St. Andrews there was an absolute drought lasting twenty-four days from March 30th to April 22nd. At Dumfries an absolute drought which began on April 3rd was still persisting at the end of the month (28 days). The only areas having so much as half the normal April rainfall lay north and west of the Caledonian Canal. Only five daily falls exceeding an inch were reported. These were 2·95 inches at Kinlochquoich, 1·18 inch at Glenquoich and 1·01 inch at Fort William on the 1st; 2·10 inches at Glenquoich and 1·50 inch at Broadford (Skye) on the 2nd.

Snow was reported on 10 days, mostly at high level stations. Precipitation was widespread on the 17th, though nowhere was the fall heavy.

Hail fell at many widely separated places on the 2nd and 3rd and locally on nine other days.

There was very little fog during the month, reports being confined to a few places in the west on the 5th, 11th–13th and 27th.

Gales were reported on eight days. Those on the 2nd and 3rd were fairly widespread.

Only one report of thunder was received—from Lerwick on the 7th.

Aurora was observed on twelve days. The phenomena was seen as far south as Eskdalemuir on the 16th. On this day there was a magnetic storm which appears to have been one of the most violent ever recorded.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 32.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, April 1938.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
									REGISTERED			TRANSFERS (Both Sexes.)		
	Census 1931.	Estimated to middle of 1938. (Provisional.)	Both Sexes.	Males.	Females.	Legitimate.	Illegitimate.		Both Sexes.	Males.	Females.	Out.	In.	Corrected for Transfers (Both Sexes)
GLASGOW,	1,088,524	1,121,200	2018	1036	982	1910	108	959	1396	758	638	161	47	1282
EDINBURGH,	439,010	469,700	681	344	337	630	51	378	540	277	263	113	14	441
DUNDEE,	175,681	177,600	272	139	133	258	14	141	214	112	102	14	10	210
ABERDEEN,	169,803	178,200	243	127	116	232	11	138	213	104	109	48	5	170
PAISLEY,	86,445	91,100	150	77	73	143	7	62	82	43	39	11	6	77
GREENOCK,	79,012	81,100	144	76	68	133	11	43	82	45	37	6	10	86
MOTHERWELL AND WISHAW,	65,611	67,500	109	72	37	104	5	46	42	20	22	..	20	62
CLYDEBANK,	46,952	47,700	91	49	42	89	2	25	27	13	14	..	23	50
KIRKCALDY,	43,874	45,000	76	32	44	75	1	38	43	20	23	6	9	46
COATBRIDGE,	43,312	44,500	87	46	41	86	1	33	47	25	22	2	7	52
KILMARNOCK,	38,681	39,900	75	36	39	73	2	25	47	25	22	13	4	38
HAMILTON,	38,112	39,100	75	42	33	68	7	28	28	17	11	2	8	34
AYR,	38,905	40,700	76	43	33	70	6	41	48	23	25	15	3	36
FALKIRK,	36,566	38,200	76	45	31	74	2	19	47	23	24	12	..	35
DUNFERMLINE,	35,058	36,900	47	26	21	44	3	27	34	19	15	7	3	30
PERTH,	35,051	36,100	47	23	24	44	3	30	42	19	23	12	2	32
TOTAL (SIXTEEN TOWNS)	†2,460,597	2,554,500	4267	2213	2054	4033	234	2033	2932	1543	1389	422	171	2681

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, April 1938.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases (not Tuberc.)		
				Registered.	Corr. for Transfers.					Number.	* Rate per 1000 Births.
GLASGOW,	21·9	5·4	10·4	15·1	13·9	0·8	1·3	1·0	2·0	175	97
EDINBURGH,	17·6	7·5	9·8	14·0	11·4	0·4	0·7	0·5	1·3	39	63
DUNDEE,	18·6	5·1	9·7	14·7	14·4	2·7	0·8	0·4	2·1	24	93
ABERDEEN,	16·6	4·5	9·4	14·5	11·6	1·4	0·2	0·2	1·2	24	99
PAISLEY,	20·0	4·7	8·3	10·9	10·3	0·5	0·4	0·4	0·9	7	49
GREENOCK,	21·6	7·6	6·5	12·3	12·9	0·5	0·9	0·6	1·7	15	108
MOTHERWELL AND WISHAW,	19·7	4·6	8·3	7·6	11·2	0·7	0·7	0·4	1·4	8	71
CLYDEBANK,	23·2	2·2	6·4	6·9	12·7	0·5	1·0	0·8	1·5	8	113
KIRKCALDY,	20·5	1·3	10·3	11·6	12·4	0·3	..	..	0·3	6	113
COATBRIDGE,	23·8	1·1	9·0	12·8	14·2	0·8	0·8	0·8	2·2	8	90
KILMARNOCK,	22·9	2·7	7·6	14·3	11·6	0·9	0·6	0·3	1·5	3	48
HAMILTON,	23·3	9·3	8·7	8·7	10·6	0·3	0·6	0·3	0·9	3	41
AYR,	22·7	7·9	12·3	14·4	10·8	0·6	0·3	..	0·3	1	17
FALKIRK,	24·2	2·6	6·1	15·0	11·2	1·0	1·3	1·0	1·6	2	36
DUNFERMLINE,	15·5	6·4	8·9	11·2	9·9	..	..	..	0·7	3	64
PERTH,	15·9	6·4	10·1	14·2	10·8	0·7	1·0	0·3	1·0	2	48
TOTAL (SIXTEEN TOWNS)	20·3	5·5	9·7	14·0	12·8	0·9	0·9	0·7	1·6	328	85

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for April 1938, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM *Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.	‡Infantile Mortality Rate.	Mean Temperature.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
APR. 1938,	**20·3**	**5·5**	**9·7**	**12·8**	**0**	**111**	**8**	**7**	**18**	**16**	**7**	**12**	**85**	**46°·4**
APR. 1937,	21·4	5·6	9·1	13·7	1	9	5	89	12	21	14	10	99	46°·7
APR. 1936,	20·5	6·0	10·5	14·4	3	103	8	17	15	19	7	16	94	43°·1
APR. 1935,	19·9	5·5	10·8	14·7	0	4	8	62	14	91	16	19	93	44°·7
APR. 1934,	19·9	6·4	10·1	15·9	0	240	14	31	36	17	8	15	113	44°·0
APR. 1933,	19·1	6·3	8·2	12·1	0	1	7	58	12	18	11	13	89	47°·7
APR. 1932,	21·1	6·6	7·4	15·2	0	81	10	27	24	73	17	17	107	42°·7
APR. 1931,	21·4	6·6	9·1	15·1	0	5	14	97	20	74	22	12	105	44°·3
APR. 1930,	21·6	6·4	9·7	15·3	1	106	5	63	23	43	20	24	103	45°·5
APR. 1929,	22·5	6·4	10·3	14·6	0	2	7	60	23	38	28	18	96	42°·8
APR. 1928,	22·7	5·7	9·6	16·1	1	107	10	104	38	38	11	12	116	45°·3

Figures in columns 5-14 have been corrected for non-resident deaths.
* Including Paratyphoid from 1931.
† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.
‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—April 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age. -1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over
1	Typhoid Fever (including Paratyphoid)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4	Measles	111	64	47	42	62	6	–	1	–	–	–	–	–	–	–
5	Scarlet Fever	8	3	5	–	5	2	–	–	–	1	–	–	–	–	–
6	Whooping-cough	7	3	4	3	4	–	–	–	–	–	–	–	–	–	–
7	Diphtheria	18	9	9	1	8	7	2	–	–	–	–	–	–	–	–
8	Influenza	16	10	6	1	1	–	–	1	–	–	1	6	3	3	–
14 (1)	Cerebro-spinal Fever	7	6	1	4	2	–	1	–	–	–	–	–	–	–	–
14 (2)	Other Epidemic Diseases (2, 3, 9)*	12	5	7	2	1	–	–	1	2	–	3	2	1	–	–
10	Tuberculosis of Respiratory System	140	75	65	2	1	1	4	45	38	15	18	10	5	1	–
11	Other Tuberculous Diseases	57	29	28	7	11	6	9	12	5	2	2	3	–	–	–
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	11	5	6	2	–	–	–	–	–	–	3	3	3	–	–
15	Cancer, Malignant Disease	333	164	169	–	–	1	–	3	8	20	52	88	104	55	2
18	Diabetes Mellitus	29	12	17	–	–	–	1	1	1	–	2	11	11	2	–
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	58	21	37	1	1	2	3	6	5	6	9	11	9	5	–
22	Cerebral Hæmorrhage, &c.	220	101	119	1	1	–	–	–	2	2	12	51	79	67	5
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	58	36	22	8	9	5	3	7	2	2	11	4	3	4	–
24	Heart Disease	526	276	250	–	–	–	3	6	13	25	31	101	170	141	36
25	Other Circulatory Diseases	59	24	35	–	–	–	–	3	–	–	3	6	19	24	4
26	Bronchitis	127	69	58	7	2	–	–	–	2	2	10	28	40	26	10
27	Pneumonia (all forms)	194	116	78	56	23	3	4	5	15	16	18	19	20	13	2
28	Other Respiratory Diseases	20	10	10	1	1	–	–	–	2	1	1	3	4	6	1
32 (1)	Gastric and Duodenal Ulcer	29	24	5	1	–	–	–	–	–	4	8	7	7	2	–
29	Diarrhœa, &c. (all ages)	40	21	19	29	5	–	–	–	–	2	–	–	2	2	–
30	Appendicitis	18	11	7	–	–	–	2	5	1	4	–	5	1	–	–
31 (1)	Cirrhosis of Liver	8	4	4	–	–	–	–	–	–	–	2	2	2	2	–
31 (2)	Other Diseases of Liver, &c.	12	4	8	–	–	–	–	–	1	1	2	1	5	2	–
32 (2)	Other Digestive Diseases	46	24	22	6	2	1	1	–	–	5	8	8	11	3	1
33	Acute and Chronic Nephritis	65	36	29	–	1	–	–	2	1	3	11	17	16	11	3
34	Other Dis. of Genito-Urinary System	44	32	12	2	1	–	1	–	1	2	3	11	11	12	–
35	Puerperal Sepsis	5	–	5	–	–	–	–	–	3	2	–	–	–	–	–
36	Other Puerperal Causes	14	–	14	–	–	–	–	2	5	6	1	–	–	–	–
37	Diseases of Skin and Locomotor System	20	16	4	4	–	2	2	2	–	1	1	1	4	1	2
38	Congen. Debil., Prem. Birth, Malform., &c.	144	83	61	142	2	–	–	–	–	–	–	–	–	–	–
39	Old Age	70	20	50	–	–	–	–	–	–	–	–	–	7	44	19
40	Suicide	21	9	12	–	–	–	–	1	2	5	4	6	3	–	–
42	Other Violence (41)	97	64	33	5	11	7	2	11	6	9	11	12	7	10	6
43	Causes Ill-defined or Unknown	37	25	12	1	–	–	–	–	1	4	5	9	10	6	1
	All Causes	2681	1411	1270	328	154	43	38	114	116	140	232	425	557	442	92

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—April 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles	111	46	6	35	8	2	...	2	2
5	Scarlet Fever	8	4	1	2	1	...	...	...	...
6	Whooping-cough	7	1	...	...	6	...	...	...	...
7	Diphtheria	18	10	3	2	1	1	...	1	...
8	Influenza...	16	7	2	...	1	...	2	1	...
14 (1)	Cerebro-spinal Fever	7	3	1	...	1	1	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	12	3	4	1	2	...	1	...	...
10	Tuberculosis of Respiratory System ...	140	90	20	6	3	3	4	2	3
11	Other Tuberculous Diseases	57	34	7	5	...	...	2	2	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	11	2	6	1	...	1	...	...	...
15	Cancer, Malignant Disease	333	135	68	26	23	15	14	9	8
18	Diabetes Mellitus	29	11	5	2	2	1	...	1	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	58	27	15	2	2	3	1	...	...
22	Cerebral Hæmorrhage, &c.	220	93	42	17	16	8	7	7	6
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	58	25	7	9	4	...	4	2	2
24	Heart Disease	526	262	91	42	30	11	8	11	9
25	Other Circulatory Diseases	59	28	15	2	2	3	1	1	1
26	Bronchitis	127	67	22	8	4	4	6	3	...
27	Pneumonia (all forms)	194	111	23	22	11	1	4	5	6
28	Other Respiratory Diseases	20	7	4	...	2	2	1	...	...
32 (1)	Gastric and Duodenal Ulcer	29	18	3	1	...	4	1	...	...
29	Diarrhœa, &c. (all Ages)	40	18	7	1	1	4	2	2	...
30	Appendicitis	18	7	3	1	1	2	...	1	...
31 (1)	Cirrhosis of Liver	8	4	2	...	1	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	12	5	2	1	1	...	2	...	...
32 (2)	Other Digestive Diseases	46	17	9	1	7	1	2	1	1
33	Acute and Chronic Nephritis	65	32	3	1	12	2	4	1	1
34	Oth. Diseases of Genito-Urinary System	44	25	7	2	4	1	...	1	1
35	Puerperal Sepsis	5	3	...	...	1	...	...	...	...
36	Other Puerperal Causes	14	5	2	1	...	1	1	...	...
37	Dis. of Skin, and of Locomotor System	20	9	4	...	4	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	144	73	21	5	9	4	8	5	2
39	Old Age	70	23	11	6	6	2	3	1	2
40	Suicide	21	10	4	1	1	...	1	...	1
42	Other Violence (41)	97	51	14	7	3	...	5	3	2
43	Causes Ill-defined or Unknown ...	37	16	7	...	...	...	2	...	1
	All Causes ...	2681	1282	441	210	170	77	86	62	50
	AGE AT DEATH.									
	Under 1	328	175	39	24	24	7	15	8	8
	1– 4	154	75	9	30	12	3	3	7	4
	5– 9	43	19	6	9	1	2	1	...	1
	10–14	38	25	3	1	1	1	1	1	...
	15–24	114	61	18	6	3	5	4	3	2
	25–34	116	60	14	14	5	2	3	2	1
	35–44	140	68	24	8	4	5	8	2	2
	45–54	232	114	30	13	13	14	5	5	6
	55–64	425	207	91	19	13	11	14	13	9
	65–74	557	249	98	44	42	13	20	12	11
	75–84	442	191	90	32	43	12	10	9	3
	85 and over	92	38	19	10	9	2	2	...	3
	Not stated	...	...	...	...	...	...	...	...	...
	All Ages ...	2681	1282	441	210	170	77	86	62	50

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—April 1938—*continued.*

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	...	3	1	...	1	3	...	2
5	Scarlet Fever	...	...	...	...	...	...	...	...
6	Whooping-cough	...	...	...	...	...	...	...	...
7	Diphtheria	...	...	...	...	...	...	...	...
8	Influenza...	1	...	1	...	1	...	...	...
14 (1)	Cerebro-spinal Fever	...	...	1	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	...	...	...	1	...	...	...	...
10	Tuberculosis of Respiratory System ...	...	3	1	1	...	3	...	1
11	Other Tuberculous Diseases	...	...	1	1	1	1	...	2
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	1	...
15	Cancer, Malignant Disease	5	...	3	5	8	4	5	5
18	Diabetes Mellitus	...	...	1	1	...	2	1	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	1	3	...	1	1	1	...
22	Cerebral Hæmorrhage, &c.	6	...	5	1	3	3	3	3
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	2	...	...	...	...	1	2
24	Heart Disease	11	11	11	5	7	5	8	4
25	Other Circulatory Diseases	1	1	1	1	1	...	...	1
26	Bronchitis	...	5	2	2	...	1	1	2
27	Pneumonia (all forms)	...	2	3	1	1	2	1	1
28	Other Respiratory Diseases	1	1	...	...	...	2	...	...
32 (1)	Gastric and Duodenal Ulcer	...	1	1	...	...	...	...	...
29	Diarrhœa, &c. (all Ages)	...	1	...	...	1	2	...	1
30	Appendicitis	1	...	...	...	1	...	...	1
31 (1)	Cirrhosis of Liver	...	...	...	1	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	1	...	...	...	...	...	...	...
32 (2)	Other Digestive Diseases	3	...	...	1	2	...	1	...
33	Acute and Chronic Nephritis	1	3	...	1	2	1	1	...
34	Oth. Diseases of Genito-Urinary System	...	1	...	1	...	...	...	1
35	Puerperal Sepsis	...	1	...	...	...	...	...	...
36	Other Puerperal Causes	...	1	...	1	1	...	...	1
37	Dis. of Skin, and of Locomotor System	3	...	...	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	3	5	1	2	...	1	3	2
39	Old Age	2	2	2	2	2	2	2	2
40	Suicide	1	1	...	...	1	...	...	...
42	Other Violence (41)	5	1	...	3	2	1	...	...
43	Causes Ill-defined or Unknown ...	...	6	...	3	...	1	1	...
	All Causes ...	46	52	38	34	36	35	30	32
	AGE AT DEATH.								
	Under 1	6	8	3	3	1	2	3	2
	1– 4	...	2	1	...	1	2	...	5
	5– 9	...	1	...	1	1	1	...	...
	10–14	1	...	...	...	...	1	2	1
	15–24	1	3	...	4	3	...	...	1
	25–34	1	4	2	2	1	3	...	2
	35–44	2	5	2	1	3	4	1	1
	45–54	4	6	4	5	2	4	5	2
	55–64	8	8	4	6	8	5	6	3
	65–74	11	7	13	7	9	7	6	8
	75–84	11	7	8	5	4	6	5	6
	85 and over	1	1	1	...	3	...	2	1
	Not stated	...	...	...	...	...	...	...	...
	All Ages ...	46	52	38	34	36	35	30	32

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of April 1938.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†		AIR TEMPERATURE. Mean of Maximum (A.)	Mean of Minimum (B.)	Mean of A and B (Mean Temperature).	Difference from Average.	Absolute Maximum and Minimum. Maximum.	Day of Month.	Minimum.	Day of Month.	HYGROMETER.* Mean of Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Difference from Average.	BRIGHT SUNSHINE. Hours per Day. Daily Mean.	Difference from Average.	Per Cent. of Possible.
	feet.	Mb.	inches.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	Mb.	%		inch.	inch.			
GLASGOW, Abbotsinch Aerodrome, (The Meteorological Office).	19	1026·7	30·320	54·6	37·0	45·8	+1·3	60	11*th*	25	18*th*	45·5	2·9	8·1	77	6	0·69	−1·55	5·97	+1·53	42
EDINBURGH, The Astronomer Royal for Scotland, Royal Observatory.	441	1027·1	30·330	52·5	39·6	46·1	+2·4	62	12*th*	33	10*th*	44·9	3·8	7·1	69	4	0·15	−1·32	5·04	+0·49	36
DUNDEE, College Gardens.	147	1026·3	30·306	54·5	39·0	46·7	+2·8	64	5*th*	30	9*th*	48·2	5·0	7·3	63	3	0·05	−1·65	4·89	+0·25	35
ABERDEEN, The Meteorological Office.	79	1025·3	30·279	51·3	40·1	45·7	+2·5	62	6*th*	33	17*th*	45·7	3·7	7·5	72	12	0·78	−1·09	4·03	−0·78	28
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1027·5	30·343	55·6	39·6	47·6	+1·9	61	12, 14	30	18*th*	47·1	3·5	8·1	73	5	0·59	−1·73	5·93	+1·28	42
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1027·6	30·345	53·1	40·5	46·8	+2·1	58	24, 27	32	18*th*	46·3	3·9	7·5	69	6	0·85	−2·59	5·95	..	42
KIRKCALDY, The Medical Officer of Health.	137	..	..	54·4	38·2	46·3	+1·3	63	6*th*	28	10*th*	47·1	2·7	8·7	79	4	0·12	..	..	..	..
KILMARNOCK, W. DUNBAR, C.E.	132	..	..	54·0	35·6	44·8	−0·1	58	28*th*	22	18*th*	47·0	3·4	8·2	74	4	0·66	−1·40	5·79	+1·13	41
AYR, The Medical Officer of Health.	43	..	..	54·3	38·2	46·3	..	59	22*nd*	30	17*th*	47·1	1·6	9·6	87	1	0·10	..	6·41	..	45
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	54·2	38·4	46·3	..	62	5*th*	29	10*th*	46·6	3·5	7·9	73	4	0·16	..	5·25	..	37
PERTH, J. RITCHIE, The Museum.	76	1027·1	30·331	56·8	38·5	47·7	+3·0	65	5*th*	24	9*th*	46·4	2·5	8·7	81	3	0·14	−1·64	5·65	+0·78	40
Means . .	147	1026·8	30·322	54·1	38·6	46·4	+1·9	..	..	..	..	46·5	3·3	8·1	74	5	0·39	−1·62	5·49	+0·67	39

North Latitude.—Glasgow, 55° 52′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Greenock, 55° 56′; Perth, 56° 24′; Mean, 56° 14′.
West Longitude.—Glasgow, 4° 17′; Edinburgh, 3° 11′; Dundee, 2° 58′; Aberdeen, 2° 6′; Paisley, 4° 26′; Greenock, 4° 46′; Perth, 3° 27′; Mean, 3° 36′.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.

† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars=29·531 mercury inches) and inches.

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MONTHLY RETURN OF THE REGISTRAR-GENERAL

Scotland

BIRTHS, DEATHS AND MARRIAGES

Registered in sixteen of the Principal Towns

May, 1938

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of May the births (corrected for transfers) of 4,448 living children, of whom 2,305 were males and 2,143 were females. Compared with the number in the previous month the total births were 181 more, male births being 92 more and female births 89 more. The monthly birth-rate in these towns taken collectively was 20·5 per thousand. This rate is 0·2 more than that for the previous month and is 0·6 above the five years' average.

In the individual towns the monthly birth-rate ranged from 24·8 in Coatbridge, 24·7 in Greenock and 22·9 in Hamilton, to 17·6 in Edinburgh and in Perth, 17·5 in Kirkcaldy and 16·5 in Clydebank. In Kilmarnock the rate was 22·4, in Glasgow 21·7, in Aberdeen 20·6, in Dundee 20·4, in Paisley 20·3, in Motherwell and Wishaw 19·2, in Falkirk 18·5, in Ayr 18·2 and in Dunfermline 17·9.

Of the 4,448 living children whose births were registered during the month, 4,203 or 94·5 per cent. were legitimate, while 245 or 5·5 per cent. were illegitimate. The legitimate children numbered 170 more than in the previous month and the illegitimate children 11 more. The illegitimate percentage for the month is the same as that for the previous month. In the individual towns it ranged from 7·9 in Hamilton, 6·8 in Edinburgh and 6·5 in Dundee, to 3·2 in Coatbridge, 2·7 in Motherwell and Wishaw and 2·5 in Paisley. In Glasgow this percentage was 5·7.

Marriages.—Marriages registered during the month numbered 1,051 and are 982 fewer than in the previous month. The marriage-rate, 4·8 per thousand, is 4·9 below that for the previous month but 0·8 above the average. In the individual towns it ranged from 6·9 in Aberdeen, 6·1 in Dunfermline and 5·6 in Falkirk, to 2·2 in Paisley, 1·7 in Greenock and 1·1 in Coatbridge. In Glasgow and in Edinburgh the rate was 5·3. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.— Deaths registered in the Sixteen Towns during the month (corrected for transfer) numbered 2,923, of which 1,503 were of males and 1,420

NOTE.—The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.

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were of females. This number is 242 more than in the previous month, males being 92 more and females 150 more.

The monthly death-rate in these towns taken collectively was 13·4 per thousand, being 0·6 above that for the previous month and 0·3 above the average. In the towns taken individually the death-rate ranged from 18·5 in Ayr, 15·7 in Kirkcaldy and 14·7 in Perth, to 9·6 in Hamilton, 9·3 in Falkirk and 9·1 in Clydebank. In Dundee the rate was 14·2, in Glasgow 14·0, in Aberdeen 13·3, in Edinburgh 13·2, in Coatbridge 13·0, in Motherwell and Wishaw 12·4, in Greenock 12·3, in Kilmarnock 12·1, in Dunfermline 12·1 and in Paisley 11·2.

Deaths of children aged less than one year numbered 315 and equalled an infantile mortality rate of 78 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. It is the lowest rate yet recorded for May in these towns. These deaths are 13 fewer than in the previous month, while the rate is 7 less than in that month and 9 below the average. In the individual towns this rate ranged from 120 in Coatbridge, 110 in Aberdeen and 93 in Glasgow and in Kirkcaldy, to 42 in Clydebank, 41 in Paisley and 34 in Falkirk. In Ayr the rate was 85, in Hamilton 78, in Greenock 76, in Motherwell and Wishaw 70, in Dundee 67, in Dunfermline 61, in Edinburgh and in Kilmarnock 46 and in Perth 44.

Causes of Death.—Deaths from the principal epidemic diseases numbered 134 and equalled a death-rate of 0·6 per thousand. These deaths are 45 fewer than in the previous month and the rate is 0·3 less. They include 1 from typhoid fever, 63 from measles, 1 from scarlet fever, 6 from whooping-cough, 27 from diphtheria, 20 from influenza, 3 from cerebro-spinal fever, and 13 from other epidemic diseases, 4 of which were ascribed to dysentery, 3 to erysipelas and 6 to lethargic encephalitis. Compared with the number in the previous month deaths from typhoid fever are 1 more, from measles 48 fewer, from scarlet fever 7 fewer, from whooping-cough 1 fewer, from diphtheria 9 more, from influenza 4 more, from cerebro-spinal fever 4 fewer and from other epidemic diseases 1 more.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 372 and equalled a death-rate of 1·7 per thousand. Compared with the number in the previous month these deaths are 31 more, while the rate is 0·1 more but is the same as the average.

Deaths from all forms of tuberculosis numbered 212, of which 169 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 15 more and those from respiratory tuberculosis 29 more. Compared with the average the former are 5 more and the latter 12 more.

METEOROLOGICAL NOTES
supplied by the Meteorological Office, Edinburgh.

MAY 1938.

Mean barometric pressure, 29·941 inches; less than the average* by 0·036 in.
Mean temperature, 49·1° F.; less by 0·7° F.
Mean daily range of temperature, 14·5° F.; greater by 0·1° F.
Mean daily sunshine, 5·67 hours; greater by 0·23 hour.
Rain, depth in inches, 3·60; greater by 1·17 inches.
Wind, direction of: a three days' excess of N. and N.E. winds.

A persistent anticyclone to the west and north of Scotland in the early part of the month resulted in a continuance of the fine, dry weather which characterised April. In most places the drought did not break until the 8th, and in the first week of May some remarkable sunshine totals were registered; daily amounts of 14 hours or above occurred on one or more days in all parts of Scotland.

* The averages or normals in the case of pressure and rainfall refer to the period 1881–1915 and in the case of temperature and sunshine to the period 1906–35.

Depressions from the Atlantic moving slowly eastwards across these Islands caused mainly unsettled weather during the second and third weeks with fairly heavy rain in most districts. A brief spell of dry and sunny weather occurred on the 19th and 20th, when an anticyclone centred near the Faroes covered Scotland and the north of England. Rather dull and showery conditions set in on the 21st and persisted to the end of the month. A complex depression covered the British Isles on the 28th, and this brought the heaviest rainfall of the month to most stations in Scotland. In Edinburgh the extremes of pressure were 30·36 inches on the 4th and 29·39 inches on the 29th and 30th.

Mean temperature for the country as a whole was 0·7° F. below normal, and it was the first month with deficient temperature since December 1937. The greatest deficiency, about 2° F., occurred in Ayrshire. A few places on the east coast had a mean slightly in excess of the normal. The only really warm days were the 6th and 12th, when temperature rose to 65° F. or rather above in all districts except the extreme north. The highest values reported were 71° F. at Arbroath on the 6th and 70° F. at Gordon Castle on the 12th. All stations recorded their lowest temperatures during the first ten days. The coldest days were the 2nd and the 5th, when 10 degrees of frost were registered in many places. The lowest screen minima reported were 18° F. at Braemar, 19° F. at Dalwhinnie, 21° F. at Logie Coldstone and 22° F. at Balmoral, all on the 2nd; 22° F. was also registered at West Linton on the 5th and at Wolfelee on the 5th and 8th. Ground frosts occurred at one place or other on 18 nights. They were widespread and severe during the first week. The lowest readings were all reported from Dalwhinnie, viz., 9° F. on 1st and 2nd, 11° F. on 4th and 12° F. on 10th; 12° F. was also registered at Peebles on the 8th.

Sunshine totals were generally above normal, but there was an appreciable deficiency in the north-east and especially in the far north. The largest aggregates were 209 hours at Stornoway, 205 hours at Tiree, 201 hours at Turnberry and 200 hours at Duntulm (Skye). Less than 150 hours' sunshine were registered in Aberdeenshire and along the Moray Firth. At Baltasound and Lerwick the aggregates were only 122 and 125 hours, or 45 and 31 hours less than their respective normals.

Hardly any rain fell during the first week, but the rest of the month was wet in all districts. The month's totals were generally above normal, but isolated areas in Ayrshire and north of the Caledonian Canal had slightly less than the average. The greatest excess occurred in the neighbourhood of the Firth of Forth. Edinburgh and Leuchars had more than double their normal rainfall, the latter station with 4·31 inches establishing a new high record for May. Daily falls exceeding an inch occurred in all districts and were widespread on the 13th, 15th and 28th. Some of the heaviest falls reported were: 1·70 inch at Forrest Lodge, Dalry, and 1·60 inch at Dunoon on the 13th, 1·78 inch at Uphall and 1·54 inch in Edinburgh on the 15th, 1·73 inch at Oxenford (Midlothian) and 1·35 inch at Cullaloe Reservoir (Fife) on the 28th.

Snow fell in one place or other from the 6th to the 10th and on 28th and 29th. On the 7th the fall was widespread though nowhere heavy. The fall on the 29th was confined to high level stations in central and western districts.

Hail was reported widely on the 7th and locally on 12 other days.

There was little fog during the month but it occurred locally on 6 days.

Gales were reported locally on 8 days. None were of marked severity.

Thunder occurred in one place or other on 13 days. On the 15th storms spread over a great part of east Scotland, accompanied in many places by unusually heavy rain.

The only reports of aurora were from St. Abb's Head on the 4th, from Wick on the 4th and 7th and from Rothesay on the 7th and 9th.

Note.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 40.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, May 1938.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
									REGISTERED			TRANSFERS (Both Sexes.)		
	Census 1931.	Estimated to middle of 1938. (Provisional.)	Both Sexes.	Males.	Females.	Legitimate.	Illegitimate.		Both Sexes.	Males.	Females.	Out.	In.	Corrected for Transfers (Both Sexes.)
GLASGOW,	*1,093,337	1,126,000	2078	1058	1020	1960	118	504	1471	771	700	171	42	1342
EDINBURGH,	439,010	469,700	701	353	348	653	48	210	638	321	317	124	13	527
DUNDEE,	175,681	177,600	307	177	130	287	20	59	222	117	105	16	8	214
ABERDEEN,	169,803	178,200	312	165	147	298	14	105	241	123	118	48	8	201
PAISLEY,	86,445	91,100	157	83	74	153	4	17	83	42	41	11	15	87
GREENOCK,	79,012	81,100	170	89	81	164	6	12	83	39	44	6	8	85
MOTHERWELL AND WISHAW,	65,611	67,500	110	64	46	107	3	17	54	27	27	1	18	71
CLYDEBANK,	*46,991	47,800	67	25	42	64	3	12	21	9	12	1	17	37
KIRKCALDY,	43,874	45,000	67	39	28	63	4	21	54	26	28	4	10	60
COATBRIDGE,	43,312	44,500	94	48	46	91	3	4	39	27	12	2	12	49
KILMARNOCK,	38,681	39,900	76	44	32	73	3	14	45	24	21	6	2	41
HAMILTON,	38,112	39,100	76	32	44	70	6	12	29	12	17	2	5	32
AYR,	38,905	40,700	63	30	33	59	4	14	85	45	40	31	10	64
FALKIRK,	36,566	38,200	60	28	32	57	3	18	39	26	13	14	5	30
DUNFERMLINE,	35,058	36,900	56	37	19	53	3	19	40	26	14	6	4	38
PERTH,	35,051	36,100	54	33	21	51	3	13	59	34	25	15	1	45
TOTAL (SIXTEEN TOWNS)	*2,465,449	2,559,400	4448	2305	2143	4203	245	1051	3203	1669	1534	458	178	2923

* Glasgow and Clydebank Burghs extended.

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, May 1938.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW,	21·7	5·7	5·3	15·4	14·0	0·6	1·2	1·0	2·0	175	93
EDINBURGH,	17·6	6·8	5·3	16·0	13·2	0·3	0·9	0·8	1·3	29	46
DUNDEE,	20·4	6·5	3·9	14·7	14·2	1·6	0·7	0·5	1·9	18	67
ABERDEEN,	20·6	4·5	6·9	15·9	13·3	0·9	0·5	0·3	1·3	28	110
PAISLEY,	20·3	2·5	2·2	10·7	11·2	0·4	1·3	1·3	1·0	6	41
GREENOCK,	24·7	3·5	1·7	12·1	12·3	0·3	1·2	1·0	1·3	11	76
MOTHERWELL AND WISHAW,	19·2	2·7	3·0	9·4	12·4	0·2	1·0	0·7	1·2	8	70
CLYDEBANK,	16·5	4·5	3·0	5·2	9·1	0·7	0·5	0·5	1·0	3	42
KIRKCALDY,	17·5	6·0	5·5	14·1	15·7	0·3	0·3	0·3	2·1	5	93
COATBRIDGE,	24·8	3·2	1·1	10·3	13·0	1·6	1·3	1·1	2·6	11	120
KILMARNOCK,	22·4	3·9	4·1	13·3	12·1	0·3	0·6	0·6	1·5	3	46
HAMILTON,	22·9	7·9	3·6	8·7	9·6	0·6	0·9	0·3	1·2	6	78
AYR,	18·2	6·3	4·1	24·6	18·5	0·6	0·3	0·3	1·7	5	85
FALKIRK,	18·5	5·0	5·6	12·0	9·3	0·6	0·6	0·3	1·5	2	34
DUNFERMLINE,	17·9	5·4	6·1	12·8	12·1	[illegible]	0·3	0·3	1·6	3	61
PERTH,	17·6	5·6	4·2	19·3	14·7	0·7	0·3	0·3	2·0	2	44
TOTAL (SIXTEEN TOWNS)	20·5	5·5	4·3	14·7	13·4	0·6	1·0	0·8	1·7	315	78

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for May 1938, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM *Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.	‡Infantile Mortality Rate.	Mean Temperature.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
MAY 1938, .	20·5	5·5	4·8	13·4	1	63	1	6	27	20	3	13	78	49°·1
MAY 1937, .	19·8	5·2	4·9	12·2	1	6	8	55	16	6	11	6	83	52°·1
MAY 1936, .	19·6	6·2	3·1	13·1	5	131	2	14	10	10	8	18	88	50°·8
MAY 1935, .	20·3	5·5	3·6	13·3	3	3	8	41	22	26	6	12	83	48°·8
MAY 1934, .	19·4	6·2	3·7	14·1	0	251	16	35	33	9	14	15	95	50°·4
MAY 1933, .	20·2	5·9	4·6	12·9	1	2	10	66	14	25	15	15	86	51°·1
MAY 1932, .	20·4	6·1	4·2	13·4	0	63	10	28	9	35	13	13	88	49°·3
MAY 1931, .	20·4	7·4	3·2	12·5	0	21	11	67	17	25	19	15	87	50°·7
MAY 1930, .	22·0	6·5	3·2	14·1	0	82	7	64	22	27	21	19	91	49°·6
MAY 1929, .	21·6	7·5	3·4	13·7	1	1	4	51	22	12	30	16	94	50°·5
MAY 1928, .	22·4	6·7	3·3	14·1	1	83	5	109	15	27	6	19	95	49°·6

Figures in columns 5-14 have been corrected for non-resident deaths.
* Including Paratyphoid from 1931.
† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.
‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—May 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age. -1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.
1	Typhoid Fever (including Paratyphoid)	1	-	1	-	-	-	1	-	-	-	-	-	-	-	-
4	Measles	63	27	36	13	50	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever	1	-	1	-	-	-	-	-	-	1	-	-	-	-	-
6	Whooping-cough	6	-	6	1	4	1	-	-	-	-	-	-	-	-	-
7	Diphtheria	27	12	15	3	14	9	1	-	-	-	-	-	-	-	-
8	Influenza	20	8	12	-	1	-	-	-	2	1	5	5	5	1	-
14 (1)	Cerebro-spinal Fever	3	1	2	1	2	-	-	-	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)*	13	7	6	-	1	-	-	2	2	3	2	1	1	1	-
10	Tuberculosis of Respiratory System	169	89	80	1	5	-	1	50	35	33	22	14	7	1	-
11	Other Tuberculous Diseases	43	25	18	2	12	6	6	7	4	1	2	2	1	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	17	11	6	4	3	-	-	1	-	-	-	7	2	-	-
15	Cancer, Malignant Disease	388	190	198	-	-	1	1	1	6	19	58	108	132	56	6
18	Diabetes Mellitus	42	10	32	-	-	-	-	-	-	-	-	14	25	3	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	79	32	47	4	2	3	1	12	7	6	9	13	11	11	-
22	Cerebral Hæmorrhage, &c.	246	118	128	-	-	-	-	1	3	6	14	66	82	63	11
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	65	32	33	10	6	1	2	2	3	10	4	13	5	8	1
24	Heart Disease	594	311	283	-	-	1	3	6	9	25	49	123	191	157	30
25	Other Circulatory Diseases	59	36	23	-	-	-	-	-	1	2	3	12	16	21	4
26	Bronchitis	113	70	43	7	3	-	2	-	1	2	8	17	32	30	11
27	Pneumonia (all forms)	228	140	88	48	31	1	-	12	5	21	21	33	30	20	6
28	Other Respiratory Diseases	31	13	18	1	-	-	2	1	3	5	2	4	4	6	3
32 (1)	Gastric and Duodenal Ulcer	38	29	9	-	-	-	-	-	4	9	9	5	8	2	1
29	Diarrhœa, &c. (all ages)	73	32	41	60	2	-	-	1	-	1	2	4	1	-	2
30	Appendicitis	28	19	9	1	1	4	3	3	3	2	3	4	3	1	-
31 (1)	Cirrhosis of Liver	16	7	9	-	-	-	-	-	-	2	4	5	4	1	-
31 (2)	Other Diseases of Liver, &c.	18	7	11	-	-	-	-	-	1	1	4	3	5	4	-
32 (2)	Other Digestive Diseases	33	19	14	2	-	1	-	1	2	5	3	8	6	4	1
33	Acute and Chronic Nephritis	67	28	39	-	1	-	1	1	3	7	14	12	17	10	1
34	Other Dis. of Genito-Urinary System	45	34	11	1	-	-	-	1	1	3	3	8	11	13	4
35	Puerperal Sepsis	10	-	10	-	-	-	-	3	5	2	-	-	-	-	-
36	Other Puerperal Causes	8	-	8	-	-	-	-	2	3	3	-	-	-	-	-
37	Diseases of Skin and Locomotor System	27	12	15	8	2	2	3	-	-	-	1	3	4	3	1
38	Congen. Debil., Prem. Birth, Malform., &c.	142	78	64	140	-	2	-	-	-	-	-	-	-	-	-
39	Old Age	67	23	44	-	-	-	-	-	-	-	-	1	4	42	20
40	Suicide	21	12	9	-	-	-	-	-	1	3	7	6	4	-	-
42	Other Violence (41)	92	54	38	6	9	8	3	3	6	9	9	8	16	9	6
43	Causes Ill-defined or Unknown	30	17	13	2	-	-	-	1	2	2	1	6	11	3	2
	ALL CAUSES	2923	1503	1420	315	149	40	30	111	112	184	259	505	638	470	110

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—May 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	1	...	...	...	...	...	...	...
4	Measles	63	23	3	20	7	1	...	...	2
5	Scarlet Fever	1	1	...	...	...	...	...	...	...
6	Whooping-cough	6	1	...	...	3	...	1	1	...
7	Diphtheria	27	18	3	1	1	2	...	...	1
8	Influenza	20	4	3	3	1	...	...	...	...
14 (1)	Cerebro-spinal Fever	3	3	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	13	7	2	...	2	...	1	...	...
10	Tuberculosis of Respiratory System ...	169	92	30	7	5	10	7	4	2
11	Other Tuberculous Diseases	43	25	6	3	2	...	1	2	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	17	5	5	2	2	1	...	1	...
15	Cancer, Malignant Disease	388	161	96	20	31	11	12	13	5
18	Diabetes Mellitus	42	20	7	4	3	1	...	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	79	33	19	7	6	2	1	2	1
22	Cerebral Hæmorrhage, &c.	246	105	47	16	18	8	6	7	2
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	65	32	11	...	8	1	3	1	1
24	Heart Disease	594	261	115	56	40	17	10	14	12
25	Other Circulatory Diseases	59	12	18	6	4	2	3	2	...
26	Bronchitis	113	57	19	3	8	2	3	1	...
27	Pneumonia (all forms)	228	121	26	23	10	6	3	6	4
28	Other Respiratory Diseases	31	18	6	3	1	...	3	...	...
32 (1)	Gastric and Duodenal Ulcer	38	12	12	1	1	3	2	...	1
29	Diarrhœa, &c. (all Ages)	73	51	2	...	4	1	3	2	...
30	Appendicitis	28	11	5	5	2	2	1	1	1
31 (1)	Cirrhosis of Liver	16	9	2	...	...	...	2	...	1
31 (2)	Other Diseases of Liver, &c.	18	9	3	1	1	1	1	...	...
32 (2)	Other Digestive Diseases	33	13	4	3	2	2	...	2	1
33	Acute and Chronic Nephritis	67	28	15	7	2	4	...	3	...
34	Oth. Diseases of Genito-Urinary System	45	20	8	2	1	1	2	1	...
35	Puerperal Sepsis	10	8	...	...	1	...	1	...	...
36	Other Puerperal Causes	8	2	3	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	27	14	5	1	1	...	3	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	142	58	18	10	19	3	5	4	2
39	Old Age	67	34	10	5	4	2	3	2	...
40	Suicide	21	7	8	2	1	...	...	...	...
42	Other Violence (41)	92	46	13	3	10	3	6	1	1
43	Causes Ill-defined or Unknown ...	30	20	3	...	...	1	2	...	...
	All Causes ...	2923	1342	527	214	201	87	85	71	37
	AGE AT DEATH.									
	Under 1	315	175	29	18	28	6	11	8	3
	1– 4	149	60	21	23	14	3	4	1	3
	5– 9	40	22	2	6	2	1	2	...	...
	10–14	30	16	3	4	1	2	...	3	1
	15–24	111	57	18	6	3	9	5	3	...
	25–34	112	59	18	4	3	6	4	3	4
	35–44	184	91	27	10	11	4	6	8	3
	45–54	259	124	53	16	21	5	6	4	2
	55–64	505	232	103	32	30	17	12	9	5
	65–74	638	270	129	52	41	18	15	19	10
	75–84	470	198	97	37	34	13	18	11	5
	85 and over	110	38	27	6	13	3	2	2	1
	Not stated	...	...	...	...	...	...	...	...	...
	All Ages ...	2923	1342	527	214	201	87	85	71	37

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—May 1938—*continued.*

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	...	2	1	1	1	...	...	2
5	Scarlet Fever	...	...	...	...	...	...	...	...
6	Whooping-cough	...	...	...	...	...	...	...	...
7	Diphtheria	...	...	...	...	1	...	...	...
8	Influenza...	3	3	...	1	...	2	...	...
14 (1)	Cerebro-spinal Fever	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	...	1	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	1	4	2	1	1	1	1	1
11	Other Tuberculous Diseases	...	1	...	2	...	1	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	1	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	8	...	7	5	6	1	2	10
18	Diabetes Mellitus	1	...	...	1	1	1	1	2
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	2	1	1	...	4	...	...	...
22	Cerebral Hæmorrhage, &c.	6	3	4	3	4	2	10	5
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	1	2	...	...	3	...	1	1
24	Heart Disease	10	7	10	4	12	5	11	10
25	Other Circulatory Diseases	...	...	2	...	2	4	1	3
26	Bronchitis	5	2	2	2	2	1	1	5
27	Pneumonia (all forms)	3	8	3	2	4	4	4	1
28	Other Respiratory Diseases	...	...	...	...	...	...	...	...
32 (1)	Gastric and Duodenal Ulcer	1	1	2	...	2	...	...	...
29	Diarrhœa, &c. (all Ages)	1	1	2	1	5	...	...	...
30	Appendicitis	...	...	...	...	...	...	...	...
31 (1)	Cirrhosis of Liver	...	...	...	...	...	1	1	...
31 (2)	Other Diseases of Liver, &c.	...	...	1	...	...	...	1	...
32 (2)	Other Digestive Diseases	3	...	1	1	1	...	...	...
33	Acute and Chronic Nephritis	1	2	1	1	2	...	...	1
34	Oth. Diseases of Genito-Urinary System	1	1	...	2	3	1	1	1
35	Puerperal Sepsis	...	...	...	...	...	...	...	...
36	Other Puerperal Causes	1	1	...	...	1	...	...	...
37	Dis. of Skin, and of Locomotor System	...	1	...	...	1	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	3	7	2	3	3	2	1	2
39	Old Age	2	...	...	1	2	1	...	1
40	Suicide	2	...	...	...	...	1	...	...
42	Other Violence (41)	2	1	...	1	2	1	2	...
43	Causes Ill-defined or Unknown ...	2	...	...	...	1	1	...	...
	All Causes ...	60	49	41	32	64	30	38	45
	AGE AT DEATH.								
	Under 1	5	11	3	6	5	2	3	2
	1– 4	1	7	2	3	1	2	...	4
	5– 9	...	1	...	...	4	...	...	...
	10–14	...	...	...	...	...	...	...	...
	15–24	2	2	1	...	2	3	...	...
	25–34	1	4	2	...	2	1	1	...
	35–44	6	5	5	1	2	1	2	2
	45–54	4	4	4	3	5	4	3	1
	55–64	12	6	7	6	9	6	9	10
	65–74	20	6	10	6	18	5	6	13
	75–84	5	2	6	6	10	6	12	10
	85 and over	4	1	1	1	6	...	2	3
	Not stated	...	...	...	...	...	...	...	...
	All Ages ...	60	49	41	32	64	30	38	45

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of May 1938.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†		AIR TEMPERATURE. Mean of Maximum (A.)	Mean of Minimum (B.)	Mean of A and B (Mean Temperature).	Difference from Average.	Absolute Maximum and Minimum. Maximum.	Day of Month.	Minimum.	Day of Month.	HYGROMETER.* Mean of Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Difference from Average.	BRIGHT SUNSHINE. Hours per Day. Daily Mean.	Difference from Average.	Per Cent. of Possible.
	feet.	Mb.	inches.	°F.	°F.	°F.	F.	°F.		°F.		°F.	°F.	Mb.	%		inch.	inch.			
GLASGOW, Abbotsinch Aerodrome, (The Meteorological Office).	19	1013·5	29·930	57·0	41·3	49·1	−0·5	63	22nd	26	5, 8	49·9	3·7	9·1	75	18	3·20	+0·84	5·46	+0·24	34
EDINBURGH, The Astronomer Royal for Scotland, Royal Observatory.	441	1014·1	29·945	55·4	42·6	49·0	+0·1	64	21, 22	33	8th	48·1	3·5	8·4	73	18	4·18	+2·13	5·76	+0·50	36
DUNDEE, College Gardens.	147	1014·0	29·943	56·9	40·7	48·8	−0·3	68	6th	32	5th	51·5	4·4	9·1	70	17	3·84	+1·75	5·92	+0·60	36
ABERDEEN, The Meteorological Office.	79	1013·5	29·930	53·3	42·0	47·7	−0·3	65	15th	30	10th	48·3	3·1	8·9	77	19	2·59	+0·26	4·74	−0·75	29
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1013·7	29·936	57·8	43·1	50·5	−1·0	65	22nd	32	5, 8	50·5	3·2	9·7	77	17	3·43	+0·94	5·41	+0·20	33
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1014·1	29·945	56·4	43·6	50·0	−0·3	63	15th	34	8th	49·4	3·9	8·7	73	18	3·90	+0·64	5·67	..	35
KIRKCALDY, The Medical Officer of Health.	137	..	..	55·7	41·4	48·5	−1·6	63	11th	27	8th	49·8	2·6	9·9	81	16	4·59	..	..	..	..
KILMARNOCK, W. DUNBAR, C.E.	132	..	..	56·9	41·8	49·3	−1·8	64	5th	27	8th	51·0	3·7	9·4	74	19	3·79	+1·48	6·11	+0·36	38
AYR, The Medical Officer of Health.	43	..	..	56·9	42·4	49·7	..	64	5th	36	4, 11	49·3	2·1	10·1	85	10	2·36	..	5·96	..	37
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	56·0	41·6	48·8	..	65	6th	28	8th	50·4	4·0	9·0	72	17	4·13	..	5·71	..	35
PERTH, J. RITCHIE, The Museum.	76	1014·4	29·956	58·6	40·2	49·4	−0·9	69	6th	27	2, 5	49·1	2·2	10·0	84	15	3·54	+1·32	5·95	+0·45	37
Means . .	147	1013·9	29·941	56·4	41·9	1	−0·7	..	..	..	..	49·8	3·3	9·3	76	17	3·60	+1·17	5·67	+0·23	35

North Latitude.—Glasgow, 55° 52′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Greenock, 55° 56′; Perth, 56° 24′; Mean, 56° 14′.
West Longitude.—Glasgow, 4° 17′; Edinburgh, 3° 11′; Dundee, 2° 58′; Aberdeen, 2° 6′; Paisley, 4° 26′; Greenock, 4° 46′; Perth, 3° 27′; Mean, 3° 36′.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.

† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars=29·531 mercury inches) and inches.

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FOR OFFICIAL USE

MONTHLY RETURN OF THE REGISTRAR-GENERAL

Scotland

BIRTHS, DEATHS AND MARRIAGES

Registered in sixteen of the Principal Towns

June, 1938

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of June the births (corrected for transfers) of 4,152 living children, of whom 2,115 were males and 2,037 were females. Compared with the number in the previous month the total births were 296 fewer, male births being 190 fewer and female births 106 fewer. The monthy birth-rate in these towns taken collectively was 19·7 per thousand. This rate is 0·8 less than that for the previous month but is 0·2 above the five years' average.

In the individual towns the monthly birth-rate ranged from 28·1 in Coatbridge, 26·7 in Hamilton and 23·4 in Motherwell and Wishaw, to 13·7 in Falkirk, 12·8 in Perth and 10·9 in Dunfermline. In Greenock the rate was 21·2, in Glasgow and in Kirkcaldy 20·5, in Clydebank 20·4, in Dundee 19·3, in Kilmarnock 19·2, in Paisley 18·6, in Edinburgh and in Aberdeen 18·5 and in Ayr 16·5.

Of the 4,152 living children whose births were registered during the month, 3,885 or 93·6 per cent. were legitimate, while 267 or 6·4 per cent. were illegitimate. The legitimate children numbered 318 fewer than in the previous month but the illegitimate children 22 more. The illegitimate percentage for the month is 0·9 above that for the previous month. In the individual towns it ranged from 10·9 in Ayr, 7·8 in Coatbridge and 7·5 in Glasgow, to 3·2 in Kilmarnock, 3·0 in Dunfermline and 2·3 in Hamilton. In Edinburgh the rate was 6·9.

Marriages.—Marriages registered during the month numbered 2,500 and are 1,449 more than in the previous month. The marriage-rate, 11·9 per thousand, is 7·1 above that for the previous month and 0·1 above the average. In the individual towns it ranged from 13·5 in Perth, 13·3 in Edinburgh and 13·0 in Kirkcaldy, to 9·0 in Coatbridge, 8·9 in Dundee and 4·9 in Kilmarnock. In Glasgow the rate was 12·7. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.—Deaths (corrected for transfer) in the Sixteen Towns during the month numbered 2,512, of which 1,343 were of males and 1,169 were of females.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.

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This number is 411 fewer than in the previous month, males being 160 fewer and females 251 fewer.

The monthly death-rate in these towns taken collectively was 11·9 per thousand, being 1·5 below that for the previous month and 0·1 below the average. In the towns taken individually the death-rate ranged from 15·1 in Kirkcaldy, 13·0 in Clydebank and 12·9 in Dundee, to 9·1 in Perth, 7·9 in Dunfermline and 6·4 in Falkirk. In Glasgow and in Hamilton the rate was 12·7, in Aberdeen and in Ayr 12·0, in Coatbridge 11·5, in Motherwell and Wishaw 11·4, in Edinburgh 11·2, in Greenock 10·7, in Paisley 10·1 and in Kilmarnock 9·4.

Deaths of children aged less than one year numbered 308 and equalled an infantile mortality rate of 79 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. These deaths are 7 fewer than in the previous month, while the rate is 1 more than in that month and 5 above the average. In the individual towns this rate ranged from 141 in Kilmarnock, 122 in Coatbridge and 99 in Dundee, to 21 in Dunfermline, 19 in Falkirk and 14 in Greenock. In Glasgow the rate was 94, in Paisley 85, in Hamilton 81, in Kirkcaldy 74, in Edinburgh 63, in Aberdeen 57, in Perth 47, in Motherwell and Wishaw 45, in Clydebank 43 and in Ayr 36.

Causes of Death.—Deaths from the principal epidemic diseases numbered 71 and equalled a death-rate of 0·3 per thousand. These deaths are 63 fewer than in the previous month and the rate is 0·3 less. They include none from typhoid fever, 17 from measles, 7 from scarlet fever, 10 from whooping-cough, 20 from diphtheria, 6 from influenza, 5 from cerebro-spinal fever, and 6 from other epidemic diseases, 3 of which were ascribed to lethargic encephalitis, 2 to erysipelas and 1 to dysentery. Compared with the number in the previous month deaths from measles are 46 fewer, from scarlet fever 6 more, from whooping-cough 4 more, from diphtheria 7 fewer, from influenza 14 fewer, from cerebro-spinal fever 2 more and from other epidemic diseases 7 fewer. In the previous month 1 death was registered from typhoid fever.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 239 and equalled a death-rate of 1·1 per thousand. This is the lowest rate recorded for the month of June in these towns. Compared with the number in the previous month these deaths are 133 fewer, while the rate is 0·6 less and is 0·2 below the average.

Deaths from all forms of tuberculosis numbered 197, of which 142 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 15 fewer and those from respiratory tuberculosis 27 fewer. Compared with the average the former are 4 more but the latter 6 fewer.

METEOROLOGICAL NOTES
supplied by the Meteorological Office, Edinburgh.

JUNE 1938.

Mean barometric pressure, 29·858 inches; less than the average* by 0·140 in.
Mean temperature, 54·8° F.; less by 0·2°.
Mean daily range of temperature, 13·4° F.; less by 1·9° F.
Mean daily sunshine, 5·83 hours; less by 0·25 hour.
Rain, depth in inches, 4·11; greater by 2·07 inches.
Wind, direction of: a seven days' excess of winds between S.W. and N.W.

Deep depressions passing on a north-easterly track from the Atlantic seaboard caused stormy conditions over Scotland with frequent heavy rain throughout the first ten days of the month. Mainly anticyclonic conditions prevailed from the 12th to the 17th, and fair or fine weather was enjoyed in all Scottish districts with some unusually high temperatures on the 13th and good sunshine records.

* The averages or normals in the case of pressure and rainfall refer to the period 1881–1915 and in the case of temperature and sunshine to the period 1906–35.

Depressions passing between Scotland and Iceland brought a renewal of cool, wet weather with strong south-westerly winds or gales on the 18th and succeeding days. Under the influence of a wedge of relatively high pressure there was a brief spell of fair weather on the 21st and 22nd, but rain set in again on the 23rd. Complex depressions crossed Scotland during the last week and the weather was generally unsettled, with rain in all districts. In Edinburgh the extremes of pressure were 30·34 inches on the 13th and 28·91 inches on the 28th.

Mean temperatures were generally about normal. In no districts were the departures from normal so much as two degrees, the greatest differences being an excess of 1·5° F. at Aberdeen and deficiencies of 1·4° F. at Rothesay and 1·2° F. at Kilmarnock. The warmest day was the 13th, when 80° F. was recorded at Perth and 78° F. at Carnoustie, Dundee and Cupar. The 17th and 18th were also warm days, and shade maxima exceeding 70° F. were recorded in all districts except the extreme north and west. There was a cool spell from the 1st to the 3rd, when minimum temperatures of 40° F. or slightly above were registered over a wide area. Braemar reported 34° F. on the 1st. In most places, however, the coldest day was the 23rd, when some unusually low minima were recorded at high level stations. The lowest values were 32° F. at Dalwhinnie, 34° F. at Braemar and 35° F. at Balmoral. Ground frosts were confined to northern districts, where they were registered locally on five nights. Dalwhinnie reported a ground temperature of 22° F. on the 23rd.

There was a lack of sunshine in most districts, especially in the west, but a few places registered slightly more than the normal. Dunbar headed the list with an aggregate of 212 hours' sunshine. St. Andrews had 202 hours and Edinburgh, North Berwick and Leuchars each had 193 hours. Some high daily totals were registered during the fine spell about the middle of the month. Leuchars had 16·4 hours' sunshine on the 16th. The totals in western districts were much below normal. Oban and Onich had 125 and 114 hours, representing deficiencies of 57 and 44 hours respectively. The dearth of sunshine was most marked in the Western Isles. Stornoway had an aggregate of only 101 hours, or 66 hours less than the normal.

Except for a short period in the middle of the month, rain fell generally on most days. Over the country as a whole about twice the normal precipitation occurred. In the wettest areas of Argyll and Inverness-shire totals amounted to about three times the normal. Fort William with 9·10 inches had its wettest June since 1877. At Greenock the total of 7·39 inches was the heaviest for June since the record commenced in 1879. Orkney, too, had a record wet June. Daily falls exceeding an inch were numerous and widespread. Some of the heaviest falls reported were 2·21 inches at Peebles and 1·56 inches at Duns Castle (Berwickshire) on the 1st; 2·73 inches at Carsphairn, 2·42 inches at Glenlee and 2·40 inches at Dalry (Forrest Lodge), all in Kirkcudbrightshire, on the 6th; 2·34 inches at Rothesay and 2·00 inches at Inveraray on the 26th; 2·06 inches at Rothesay (Dhu Loch) on the 27th.

Sleet was reported locally on the 8th, 10th and 20th, and snow occurred on hills in the west in the first few days of the month.

Hail occurred locally on 10 days.

Very little fog was experienced but it was reported locally on 7 days.

Gales were reported on 15 days, this being somewhat exceptional for the time of year. In Skye the gales of the 6th, 7th, 19th and 21st were said to be the worst ever remembered in summer. In Edinburgh on the 6th the wind attained a mean speed of 45 miles per hour for one hour with gusts up to 70 miles per hour.

Thunder occurred in one place or other on 10 days. During the afternoon and evening of the 8th storms were experienced over the whole of south-west Scotland and extended to many places in the east.

No reports of aurora were received.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 48.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, June 1938.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
									REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes.)
	Census 1931.	Estimated to middle of 1938. (Provisional.)	Both Sexes.	Males.	Females.	Legitimate.	Illegitimate.		Both Sexes.	Males.	Females.	Out.	In.	
GLASGOW, . .	1,093,337	1,126,000	1898	987	911	1756	142	1179	1294	723	571	168	50	1176
EDINBURGH, .	439,010	469,700	715	349	366	666	49	512	518	262	256	100	13	431
DUNDEE, . .	175,681	177,600	281	142	139	264	17	130	201	100	101	18	5	188
ABERDEEN, . .	169,803	178,200	271	135	136	260	11	183	201	102	99	36	10	175
PAISLEY, . .	86,445	91,100	139	70	69	133	6	72	82	42	40	13	7	76
GREENOCK, . .	79,012	81,100	141	67	74	135	6	68	82	47	35	13	2	71
MOTHERWELL AND WISHAW, .	65,611	67,500	130	60	70	123	7	53	46	25	21	0	17	63
CLYDEBANK, .	46,991	47,800	80	40	40	77	3	37	23	12	11	1	29	51
KIRKCALDY, .	43,874	45,000	76	39	37	73	3	48	51	25	26	1	6	56
COATBRIDGE, .	43,312	44,500	103	58	45	95	8	33	35	22	13	1	8	42
KILMARNOCK, .	38,681	39,900	63	39	24	61	2	16	34	17	17	8	5	31
HAMILTON, . .	38,112	39,100	86	45	41	84	2	32	39	21	18	6	8	41
AYR, . . .	38,905	40,700	55	24	31	49	6	34	60	29	31	24	4	40
FALKIRK, . .	36,566	38,200	43	21	22	41	2	29	41	15	26	23	2	20
DUNFERMLINE, .	35,058	36,900	33	16	17	32	1	34	28	15	13	9	5	24
PERTH, . . .	35,051	36,100	38	23	15	36	2	40	44	23	21	20	3	27
TOTAL . . (SIXTEEN TOWNS)	2,465,449	2,559,400	4152	2115	2037	3885	267	2500	2779	1480	1299	441	174	2512

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, June 1938.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW, .	20·5	7·5	12·7	14·0	12·7	0·4	1·3	0·9	1·3	171	94
EDINBURGH, .	18·5	6·9	13·3	13·4	11·2	0·2	0·6	0·5	1·0	39	63
DUNDEE, . .	19·3	6·0	8·9	13·8	12·9	0·8	1·0	0·8	1·2	26	99
ABERDEEN, .	18·5	4·1	12·5	13·7	12·0	0·3	0·8	0·4	0·8	14	57
PAISLEY, . .	18·6	4·3	9·6	10·9	10·1	0·1	0·9	0·7	0·7	12	85
GREENOCK, .	21·2	4·3	10·2	12·3	10·7	0·3	1·1	0·6	0·6	2	14
MOTHERWELL AND WISHAW.	23·4	5·4	9·6	8·3	11·4	0·2	0·9	0·5	2·2	5	45
CLYDEBANK, .	20·4	2·8	9·4	5·9	13·0	..	0·3	0·3	3·3	3	43
KIRKCALDY, .	20·5	3·9	13·0	13·8	15·1	0·3	0·3	0·3	1·6	4	74
COATBRIDGE, .	28·1	7·8	9·0	9·6	11·5	0·5	..	..	0·8	11	122
KILMARNOCK,	19·2	3·2	4·9	10·4	9·4	0·6	0·6	0·6	1·2	9	141
HAMILTON, .	26·7	2·3	9·9	12·1	12·7	0·6	0·6	0·6	1·6	6	81
AYR, . . .	16·5	10·9	10·2	18·0	12·0	0·3	0·3	0·3	0·3	2	36
FALKIRK, . .	13·7	4·7	9·2	13·1	6·4	..	..	..	0·6	1	19
DUNFERMLINE,	10·9	3·0	11·2	9·2	7·9	0·3	0·7	0·7	..	1	21
PERTH, . .	12·8	5·3	13·5	14·8	9·1	0·3	0·3	0·3	0·3	2	47
TOTAL . . (SIXTEEN TOWNS)	19·7	6·4	11·9	13·2	11·9	0·3	0·9	0·7	1·1	308	79

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for June 1938, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM *Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.	‡Infantile Mortality Rate.	Mean Temperature.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
JUNE 1938.	**19·7**	**6·4**	**11·9**	**11·9**	**0**	**17**	**7**	**10**	**20**	**6**	**5**	**6**	**79**	**54°·8**
JUNE 1937,	19·8	5·5	12·7	11·9	3	4	4	27	19	13	11	11	79	55°·7
JUNE 1936,	19·8	6·7	13·3	12·8	1	90	8	16	7	14	7	15	76	56°·5
JUNE 1935,	18·8	6·0	11·2	11·3	2	3	4	23	15	11	7	13	69	55°·5
JUNE 1934,	19·4	6·6	11·4	12·3	4	105	12	30	22	7	8	12	74	56·6
JUNE 1933,	19·8	6·4	10·5	11·7	4	0	7	47	11	14	7	15	72	58°·8
JUNE 1932,	20·8	6·3	10·7	12·3	1	31	7	22	10	19	9	12	74	55°·7
JUNE 1931,	21·7	5·9	11·6	12·2	0	30	7	39	13	10	14	16	73	53°·4
JUNE 1930,	20·7	6·7	11·2	12·2	0	50	4	41	13	17	8	13	69	57°·1
JUNE 1929,	20·3	7·9	10·2	11·6	2	2	3	36	15	8	16	11	67	54°·4
JUNE 1928,	22·1	6·9	10·3	12·9	0	35	5	55	14	16	10	15	84	51°·8

Figures in columns 5-14 have been corrected for non-resident deaths.
* Including Paratyphoid from 1931.
† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.
‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—June 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age. -1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.
1	Typhoid Fever (including Paratyphoid)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Measles	17	12	5	2	15	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever	7	3	4	1	4	1	-	1	-	-	-	-	-	-	-
6	Whooping-cough	10	3	7	7	3	-	-	-	-	-	-	-	-	-	-
7	Diphtheria	20	5	15	2	6	10	1	-	-	-	-	-	1	-	-
8	Influenza	6	5	1	1	-	-	-	1	-	-	-	3	1	-	-
14 (1)	Cerebro-spinal Fever	5	2	3	4	-	-	-	1	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)*	6	4	2	1	-	-	-	1	-	1	-	1	1	1	-
10	Tuberculosis of Respiratory System	142	88	54	-	4	3	3	44	31	28	11	14	4	-	-
11	Other Tuberculous Diseases	55	26	29	2	11	7	4	12	8	4	3	1	3	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	10	4	6	2	2	-	-	2	-	-	2	-	2	-	-
15	Cancer, Malignant Disease	331	159	172	1	1	-	1	1	7	20	33	89	123	48	7
18	Diabetes Mellitus	26	7	19	-	-	-	-	-	-	-	1	7	13	5	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	50	19	31	2	4	3	-	4	2	5	6	6	10	7	1
22	Cerebral Hæmorrhage, &c.	224	105	119	-	-	1	-	-	-	8	23	47	74	63	8
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	74	48	26	21	7	3	1	4	2	7	10	14	5	-	-
24	Heart Disease	521	272	249	1	-	-	2	7	8	27	44	93	183	126	30
25	Other Circulatory Diseases	57	28	29	-	1	-	-	-	-	4	2	7	18	18	7
26	Bronchitis	82	56	26	6	2	1	-	-	-	4	8	17	22	19	3
27	Pneumonia (all forms)	135	83	52	37	20	1	-	7	8	8	18	18	11	7	-
28	Other Respiratory Diseases	22	11	11	4	1	-	-	1	-	2	3	5	2	4	-
32 (1)	Gastric and Duodenal Ulcer	26	23	3	-	-	-	-	3	-	5	7	5	1	5	-
29	Diarrhœa, &c. (all ages)	70	42	28	55	2	-	-	1	1	2	1	4	-	3	1
30	Appendicitis	24	14	10	-	-	2	4	2	2	1	2	5	5	1	-
31 (1)	Cirrhosis of Liver	9	4	5	-	-	-	-	-	-	-	-	1	6	2	-
31 (2)	Other Diseases of Liver, &c.	9	2	7	-	-	-	-	-	1	2	4	-	1	1	-
32 (2)	Other Digestive Diseases	39	19	20	1	3	4	-	-	4	2	3	3	10	7	2
33	Acute and Chronic Nephritis	74	45	29	-	-	1	-	5	4	7	10	12	23	12	-
34	Other Dis. of Genito-Urinary System	39	26	13	-	-	-	-	-	3	3	5	2	14	10	2
35	Puerperal Sepsis	7	-	7	-	-	-	-	1	3	3	-	-	-	-	-
36	Other Puerperal Causes	12	-	12	-	-	-	-	1	7	4	-	-	-	-	-
37	Diseases of Skin and Locomotor System	16	9	7	1	-	1	-	2	-	2	1	1	4	3	1
38	Congen. Debil., Prem. Birth, Malform., &c.	158	86	72	155	1	2	-	-	-	-	-	-	-	-	-
39	Old Age	65	24	41	-	-	-	-	-	-	-	-	-	9	41	15
40	Suicide	28	17	11	-	-	-	-	1	2	10	7	3	3	2	-
42	Other Violence (41)	98	70	28	2	9	6	7	12	15	9	7	13	10	7	1
43	Causes Ill-defined or Unknown	38	22	16	-	-	-	-	-	-	-	7	13	12	6	-
	ALL CAUSES	2512	1343	1169	308	96	46	23	114	108	168	218	384	571	398	78

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—June 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles	17	4	1	6	1	...	1	...	...
5	Scarlet Fever	7	3	1	2	...	...	...	...	...
6	Whooping-cough	10	4	1	1	...	...	...	1	...
7	Diphtheria	20	13	3	2	1	1	...	...	...
8	Influenza	6	3	...	...	...	...	1	...	...
14 (1)	Cerebro-spinal Fever	5	2	...	...	1	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	6	5	...	...	1	...	...	...	...
10	Tuberculosis of Respiratory System ...	142	85	18	11	6	5	4	3	1
11	Other Tuberculous Diseases	55	35	4	4	5	2	3	2	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	10	4	2	2	1	...	...	...	...
15	Cancer, Malignant Disease	331	158	62	20	28	7	9	9	7
18	Diabetes Mellitus	26	8	5	3	2	...	...	...	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	50	21	8	4	3	1	2	...	1
22	Cerebral Hæmorrhage, &c.	224	85	46	14	25	7	6	11	4
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	74	38	11	4	1	1	2	4	1
24	Heart Disease	521	231	101	42	33	21	17	10	8
25	Other Circulatory Diseases	57	22	16	3	6	1	1	1	...
26	Bronchitis	82	39	14	7	8	1	2	3	3
27	Pneumonia (all forms)	135	71	18	9	2	3	2	7	10
28	Other Respiratory Diseases	22	7	6	1	1	1	...	2	...
32 (1)	Gastric and Duodenal Ulcer	26	14	1	1	2	3	1	...	1
29	Diarrhœa, &c. (all Ages)	70	43	9	6	2	1	1	2	2
30	Appendicitis	24	11	5	2	2	1	...	...	1
31 (1)	Cirrhosis of Liver	9	2	2	2	...	1	...	...	...
31 (2)	Other Diseases of Liver, &c.	9	3	4	1	1	...	...	...	...
32 (2)	Other Digestive Diseases	39	19	6	3	2	1	2	...	2
33	Acute and Chronic Nephritis	74	34	11	2	9	3	1	2	3
34	Oth. Diseases of Genito-Urinary System	39	14	8	4	2	1	3	1	1
35	Puerperal Sepsis	7	5	2	...	...	...	...	...	...
36	Other Puerperal Causes	12	4	1	1	1	1	...	...	...
37	Dis. of Skin, and of Locomotor System	16	8	4	...	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	158	76	26	19	9	6	2	...	...
39	Old Age	65	24	12	3	5	1	6	1	1
40	Suicide	28	5	9	2	5	...	1	...	...
42	Other Violence (41)	98	50	11	7	8	6	2	4	3
43	Causes Ill-defined or Unknown ...	38	26	3	...	2	...	2	...	1
	All Causes ...	2512	1176	431	188	175	76	71	63	51
	AGE AT DEATH.									
	Under 1	308	171	39	26	14	12	2	5	3
	1– 4	96	48	9	16	8	2	4	3	1
	5– 9	46	25	7	3	3	...	2	...	1
	10–14	23	13	2	2	2	1	2	...	1
	15–24	114	72	10	4	6	1	...	3	5
	25–34	108	50	10	11	6	6	6	4	3
	35–44	168	87	30	12	8	5	7	3	2
	45–54	218	109	30	14	14	6	9	4	4
	55–64	384	193	68	16	23	16	11	6	8
	65–74	571	227	111	45	58	14	12	25	17
	75–84	398	159	89	32	28	10	14	10	4
	85 and over	78	22	26	7	5	3	2	...	2
	Not stated	...	...	...	...	...	...	...	...	...
	All Ages ...	2512	1176	431	188	175	76	71	63	51

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—June 1938—*continued.*

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	1	2	...	1	...	...	...	...
5	Scarlet Fever	...	...	...	...	...	...	1	...
6	Whooping-cough	1	...	1	1	...	...	...	...
7	Diphtheria	...	...	...	...	...	...	...	...
8	Influenza...	1	...	...	...	1	...	...	...
14 (1)	Cerebro-spinal Fever	...	...	1	...	...	...	...	1
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	1	...	2	2	1	...	2	1
11	Other Tuberculous Diseases	...	...	...	...	...	...	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	1	...	...	...
15	Cancer, Malignant Disease	12	5	3	2	3	2	...	4
18	Diabetes Mellitus	2	1	1	2	...	...	1	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	...	...	1	3	...	3	2
22	Cerebral Hæmorrhage, &c.	7	1	2	3	3	2	3	5
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	3	3	2	2	1	...	1
24	Heart Disease	8	10	7	10	8	2	9	4
25	Other Circulatory Diseases	1	...	...	1	2	1	1	1
26	Bronchitis	3	...	...	1	...	...	...	1
27	Pneumonia (all forms)	2	3	2	4	1	1	...	...
28	Other Respiratory Diseases	1	...	2	...	...	1	...	...
32 (1)	Gastric and Duodenal Ulcer	1	...	...	1	1	...	...	...
29	Diarrhœa, &c. (all Ages)	1	2	...	1	...	...	...	...
30	Appendicitis	...	...	1	...	...	...	1	...
31 (1)	Cirrhosis of Liver	...	...	...	1	...	1	...	...
31 (2)	Other Diseases of Liver, &c.	...	...	...	...	...	...	...	...
32 (2)	Other Digestive Diseases	1	1	1	...	...	...	...	1
33	Acute and Chronic Nephritis	...	...	1	3	2	3	...	...
34	Oth. Diseases of Genito-Urinary System	2	...	...	1	1	...	...	1
35	Puerperal Sepsis	...	...	...	...	...	...	...	...
36	Other Puerperal Causes	2	...	...	1	1	...	...	...
37	Dis. of Skin, and of Locomotor System	2	...	...	1	1	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	2	9	3	1	2	1	1	1
39	Old Age	...	2	...	1	5	2	1	1
40	Suicide	3	...	1	...	...	...	1	1
42	Other Violence (41)	1	2	...	...	1	2	...	1
43	Causes Ill-defined or Unknown ...	...	1	...	...	1	1	...	1
	All Causes ...	56	42	31	41	40	20	24	27
	AGE AT DEATH.								
	Under 1	4	11	9	6	2	1	1	2
	1– 4	2	2	...	1	...	...	...	...
	5– 9	1	1	...	...	1	1	...	1
	10–14	...	...	...	...	...	...	...	...
	15–24	3	2	1	1	1	1	3	1
	25–34	4	1	...	2	1	...	2	2
	35–44	3	1	4	1	2	1	2	...
	45–54	5	4	3	4	9	2	...	1
	55–64	9	3	3	8	8	2	6	4
	65–74	14	9	8	8	6	6	4	7
	75–84	9	7	2	8	10	6	4	6
	85 and over	2	1	1	2	...	...	2	3
	Not stated	...	...	...	...	...	...	...	...
	All Ages ...	56	42	31	41	40	20	24	27

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of June 1938.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†		AIR TEMPERATURE. Mean of Maximum (A.)	Mean of Minimum (B.)	Mean of A and B (Mean Temperature).	Difference from Average.	Absolute Maximum and Minimum. Maximum.	Day of Month.	Minimum.	Day of Month.	HYGROMETER.* Mean of Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Difference from Average.	BRIGHT SUNSHINE. Hours per Day. Daily Mean.	Difference from Average.	Per Cent. of Possible.
	feet.	Mb.	inches.	°F.	°F.	°F.	F.	°F.		°F.		°F.	°F.	Mb.	%		inch.	inch.			
GLASGOW, Abbotsinch Aerodrome (The Meteorological Office).	19	1011·4	29·865	60·1	48·0	54·1	−0·7	72	17*th*	40	23*rd*	55·0	3·5	11·5	79	20	4·89	+2·69	6·03	+0·19	35
EDINBURGH, The Astronomer Royal for Scotland, Royal Observatory.	441	1011·5	29·870	61·3	48·3	54·8	+0·6	74	13*th*	43	1, 2	53·7	3·8	10·6	75	20	2·87	+0·87	6·42	−0·02	37
DUNDEE, The Director of Studies, Training College.	147	1010·5	29·840	62·9	46·7	54·8	+0·3	78	13*th*	40	1*st*	57·7	4·0	11·5	71	17	2·93	+1·13	5·59	−0·74	32
ABERDEEN, The Meteorological Office.	79	1009·9	29·823	60·1	48·7	54·4	+1·5	70	13*th*	42	1*st*	55·1	4·3	10·9	74	18	3·33	+1·62	5·40	−0·62	31
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1011·7	29·876	62·6	49·2	55·9	−0·6	75	17*th*	44	1, 3, 9	55·1	3·1	11·9	80	20	5·20	+2·72	6·29	+0·36	36
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1011·8	29·878	60·5	48·7	54·6	−0·7	70	17*th*	45	1, 3, 11, 23	54·1	3·4	11·1	78	22	7·39	+4·27	5·39	..	31
KIRKCALDY, The Medical Officer of Health.	137	..	..	62·6	47·8	55·2	−0·3	75	13*th*	42	23*rd*	55·8	4·1	11·2	75	16	3·78	..	..	..	..
KILMARNOCK, W. DUNBAR, C.E.	132	..	..	60·4	48·4	54·4	−1·2	70	17*th*	42	17*th*	55·5	3·5	11·7	78	20	4·50	+2·30	5·59	−0·57	32
AYR, The Medical Officer of Health.	43	..	..	60·1	49·0	54·5	..	67	18*th*	39	2*nd*	54·2	2·0	12·4	87	15	3·70	..	5·76	..	33
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	61·6	47·5	54·5	..	74	13*th*	41	23*rd*	55·5	4·0	11·2	75	17	3·68	..	5·49	..	32
PERTH, J. RITCHIE, The Museum.	76	1010·9	29·853	63·9	47·1	55·5	−0·4	80	13*th*	37	16*th*	55·3	1·0	13·9	94	15	2·97	+1·00	6·30	−0·33	36
Means . .	147	1011·1	29·858	61·5	48·1	54·8	−0·2	..	..	..	..	55·2	3·4	11·6	79	18	4·11	+2·07	5·83	−0·25	33

North Latitude.—Glasgow, 55° 52′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Greenock, 55° 56′; Perth, 56° 24′; Mean, 56° 14′.
West Longitude.—Glasgow, 4° 17′; Edinburgh, 3° 11′; Dundee, 2° 53′; Aberdeen, 2° 6′; Paisley, 4° 26′; Greenock, 4° 46′; Perth, 3° 27′; Mean, 3° 36′.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.

† As from January, 1925, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars=29·531 mercury inches) and inches.

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FOR OFFICIAL USE

MONTHLY RETURN OF THE REGISTRAR-GENERAL

Scotland

BIRTHS, DEATHS AND MARRIAGES

Registered in sixteen of the Principal Towns

July, 1938

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of July 1938 the births (corrected for transfer to place of usual residence) of 3,853 living children, of whom 1,951 were males and 1,902 were females. Compared with the number in the previous month the total births were 299 fewer, male births being 164 fewer and female births 135 fewer. The monthly birth-rate in these towns taken collectively was 17·7 per thousand. This rate is 2·0 less than that for the previous month and is 0·9 below the five years' average. It is the lowest rate recorded in the month of July for any year.

In the individual towns the monthly birth-rate ranged from 23·8 in Hamilton, 21·4 in Coatbridge and 21·3 in Falkirk, to 14·7 in Dunfermline, 14·6 in Kirkcaldy and 12·7 in Ayr. In Clydebank it was 20·0, in Glasgow 19·3, in Kilmarnock 18·9, in Perth 18·0, in Greenock 17·4, in Aberdeen 17·1, in Motherwell and Wishaw 16·8, in Paisley 16·7, and in Edinburgh and in Dundee 15·1.

Of the 3,853 living children whose births were registered during the month, 3,641 or 94·5 per cent. were legitimate, while 212 or 5·5 per cent. were illegitimate. The legitimate children numbered 244 fewer than in the previous month and the illegitimate children 55 fewer. The illegitimate percentage for the month is 0·9 below that for the previous month. In the individual towns it ranged from 7·3 in Aberdeen, 6·8 in Ayr and 6·1 in Glasgow and in Dundee, to 2·5 in Hamilton, 1·2 in Clydebank and 0 in Dunfermline. In Edinburgh the rate was 5·1.

Marriages.—Marriages registered during the month numbered 3,201 and are 701 more than in the previous month. The marriage-rate, 14·7 per thousand, is 2·8 above that for the previous month and 0·2 above the average. In the individual towns it ranged from 17·2 in Dunfermline, 16·2 in Kirkcaldy and 16·0 in Glasgow, to 11·7 in Perth, 11·1 in Paisley and 8·4 in Greenock. In Edinburgh the rate was 14·6. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.—Deaths (corrected for transfer) in the Sixteen Towns during the month numbered 2,382, of which 1,237 were of males and 1,145 were of females.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.

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This number is 130 fewer than in the previous month, males being 106 fewer and females 24 fewer.

The monthly death-rate in these towns taken collectively was 11·0 per thousand, being 0·9 below that for the previous month and 0·1 below the average. In the towns taken individually the death-rate ranged from 13·6 in Kilmarnock, 12·7 in Ayr and 12·6 in Kirkcaldy, to 9·6 in Hamilton and in Dunfermline, 8·7 in Motherwell and Wishaw and 8·6 in Clydebank. In Greenock the rate was 11·8, in Glasgow 11·5, in Coatbridge and in Falkirk 11·4, in Perth 10·8, in Edinburgh 10·6, in Dundee 10·1, in Aberdeen 9·9 and in Paisley 9·7.

Deaths of children aged less than one year old numbered 236 and equalled an infantile mortality rate of 59 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. These deaths are 72 fewer than in the previous month, while the rate is 20 less than in that month and 7 below the average. With the exception of that for July 1930, when it was 55, it is the lowest recorded for any year. In the individual towns this rate ranged from 96 in Paisley, 78 in Greenock and 68 in Glasgow, to 30 in Kilmarnock, 22 in Coatbridge and 21 in Dunfermline. In Hamilton the rate was 65, in Dundee 56, in Kirkcaldy 55, in Ayr 54, in Falkirk 52, in Edinburgh 47, in Perth 44, in Aberdeen 43, in Clydebank 41 and in Motherwell and Wishaw 35.

Causes of Death.—Deaths from the principal epidemic diseases numbered 66 and equalled a death-rate of 0·3 per thousand. These deaths are 5 fewer than in the previous month but the rate is the same. They include 1 from typhoid fever, 3 from measles, 6 from scarlet fever, 11 from whooping-cough, 18 from diphtheria, 9 from influenza, 8 from cerebro-spinal fever, and 10 from other epidemic diseases, 5 of which were ascribed to erysipelas, 4 to lethargic encephalitis, and 1 to dysentery. Compared with the number in the previous month deaths from typhoid fever are 1 more, from measles 14 fewer, from scarlet fever 1 fewer, from whooping-cough 1 more, from diphtheria 2 fewer, from influenza 3 more, from cerebro-spinal fever 3 more and from other epidemic diseases 4 more.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 233 and equalled a death-rate of 1·1 per thousand. Compared with the number in the previous month these deaths are 6 fewer, while the rate is the same but is 0·1 above the average.

Deaths from all forms of tuberculosis numbered 170, of which 115 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 27 fewer and those from respiratory tuberculosis 27 fewer. Compared with the average the former are 5 fewer and the latter 12 fewer.

METEOROLOGICAL NOTES
supplied by the Meteorological Office, Edinburgh.

JULY 1938.

Mean barometric pressure, 29·834 inches; less than the average* by 0·095 in.
Mean temperature, 57·5° F.; less by 0·9° F.
Mean daily range of temperature, 13·4° F.; less by 0·9° F.
Mean daily sunshine, 4·70 hours; less by 0·52 hour.
Rain, depth in inches, 3·89; greater by 1·01 inch.
Wind, direction of: a four days' excess of south-westerly winds.

Unsettled conditions, due to the passage of low pressure systems across or in close proximity to the British Isles, persisted through the greater part of the month. A particularly vigorous depression passed from the mouth of the English Channel on a north-easterly course from the 7th to the 9th bringing heavy rain to all Scottish districts. Cool, showery weather continued for several days, but

* The averages or normals in the case of pressure and rainfall refer to the period 1881–1915 and in the case of temperature and sunshine to the period 1906–35.

with a ridge of high pressure off Ireland moving eastwards there was a spell of mainly fair weather from the 15th to 17th. Secondaries associated with a depression over Iceland moved across the British Isles and brought a renewal of cloudy conditions with rain over Scotland on the 18th and 19th. Mainly fair weather accompanied by a rise in temperature was experienced from the 21st to 23rd, when a belt of high pressure extended over Great Britain and the North Sea. A return to cloudy weather, with frequent heavy rain in most districts, was associated with depressions from the Atlantic moving across the country during the last week of the month. In Edinburgh the extremes of pressure were 30·21 inches on the 31st and 29·53 inches on the 8th.

Except at a few places in the extreme north, mean temperatures were below normal. The greatest deficiencies, rather more than 2° F., were reported in the south-western counties. The warmest period was from the 22nd to 25th, when shade maxima of 70° F. or above were recorded in all districts except the extreme north and west. The highest readings were 75° F. at Banff and Forres on the 22nd and at Dundee on the 25th; 74° F. was recorded at Gordon Castle on the 22nd, at Kelso on the 22nd and 23rd and in Edinburgh on the 25th. These were the lowest absolute maxima recorded in July since 1922. Unseasonably cool conditions persisted in the first week, when minima of 40° F., or only slightly above, were widely reported. At some high level stations appreciably lower values were recorded, the extreme minima being 35° F. at Balmoral and Braemar on the 1st and 36° F. at Glenlee on the 5th and at Dalwhinnie on the 7th. Ground frosts were reported locally on the 1st, 5th and 7th.

Sunshine was deficient everywhere in Scotland except the Clyde area, where there was a slight excess over the normal. The deficiency amounted to more than 40 hours over a great part of central and eastern Scotland and to 50 hours at Perth. The largest aggregate was 179 hours at Turnberry; other places recording more than 160 hours' sunshine were Troon with 169 hours, Kilmarnock 168 hours, Greenock 163 hours and Cardross 162 hours. Only 82 hours were registered at Fort Augustus; other low aggregates were 92 hours at Fort William, 96 hours at Peebles and 99 hours at Dalwhinnie.

Rainfall was generally above the normal. The greatest relative excess occurred in the central districts, where a few places registered totals approximating to twice the normal July rainfall. Over the country as a whole precipitation was about 35 per cent. above the normal. Daily falls of an inch or more were unusually numerous. On the 7th this amount fell generally in the east, the largest individual measurements being 1·52 inch at Bridge of Dye (Kincardine) and 1·44 inch at Brechin. Among the heaviest falls reported on other days were 2·68 inches at Lairg and 2·64 inches at Borgie (Sutherland) on the 8th; 2·50 inches at Inveraray on the 27th; 2·70 inches at Auchencairn and 2·58 inches at Drumstinchall (both in Kirkcudbright) on the 29th; and 2·03 inches at Brenchoillie (Argyll) on the 30th.

Snow was reported on the 5th at Kirkmichael and sleet accompanied a thunderstorm in the Edinburgh district on the 6th.

Hail occurred locally on 8 days.

There was little fog, but it was experienced at one place or other on 8 days.

Gales were few and not of any severity. They were, however, reported in the Clyde area on the 7th, 8th, 9th and on the 29th and 30th. Stornoway had a gale on the 14th, when the wind reached 57 miles per hour in gusts.

Thunderstorms occurred on 16 days. Those of the 25th and 26th were widespread and in many places severe. Heavy rain accompanied the storm at Dingwall in the early morning of the 26th and the main street was flooded to a depth of a foot.

No reports of aurora were received.

Note.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 56.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, July 1938.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
									REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes.)
	Census 1931.	Estimated to middle of 1938. (Provisional.)	Both Sexes.	Males.	Females.	Legitimate.	Illegitimate.		Both Sexes.	Males.	Females.	Out.	In.	
GLASGOW, . .	1,093,337	1,126,000	1844	929	915	1731	113	1532	1191	622	569	143	55	1103
EDINBURGH, .	439,010	469,700	602	303	299	571	31	581	489	243	246	83	16	422
DUNDEE, . .	175,681	177,600	228	112	116	214	14	214	171	90	81	24	6	153
ABERDEEN, . .	169,803	178,200	259	128	131	240	19	188	188	94	94	42	4	150
PAISLEY, . .	86,445	91,100	129	70	59	124	5	86	69	33	36	6	12	75
GREENOCK, . .	79,012	81,100	120	67	53	115	5	58	77	43	34	3	7	81
MOTHERWELL AND WISHAW, .	65,611	67,500	96	54	42	92	4	83	36	20	16	0	14	50
CLYDEBANK, . .	46,991	47,800	81	44	37	80	1	57	18	10	8	1	18	35
KIRKCALDY, .	43,874	45,000	56	26	30	53	3	62	35	14	21	1	14	48
COATBRIDGE, .	43,312	44,500	81	41	40	77	4	54	38	27	11	2	7	43
KILMARNOCK, .	38,681	39,900	64	29	35	61	3	47	49	25	24	13	10	46
HAMILTON, . .	38,112	39,100	79	41	38	77	2	48	30	11	19	5	7	32
AYR, . . .	38,905	40,700	44	20	24	41	3	51	72	39	33	32	4	44
FALKIRK, . .	36,566	38,200	69	34	35	66	3	50	42	29	13	9	4	37
DUNFERMLINE, .	35,058	36,900	46	28	18	46	0	54	38	17	21	12	4	30
PERTH, . . .	35,051	36,100	55	25	30	53	2	36	47	32	15	17	3	33
TOTAL . . (SIXTEEN TOWNS)	2,465,449	2,559,400	3853	1951	1902	3641	212	3201	2590	1349	1241	393	185	2382

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, July 1938.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW, .	19·3	6·1	16·0	12·5	11·5	0·4	0·9	0·6	1·2	127	68
EDINBURGH, .	15·1	5·1	14·6	12·3	10·6	0·2	0·9	0·6	1·0	30	47
DUNDEE, . .	15·1	6·1	14·2	11·3	10·1	0·3	0·5	0·4	0·7	15	56
ABERDEEN, .	17·1	7·3	12·4	12·4	9·9	0·1	0·5	0·3	0·9	11	43
PAISLEY, . .	16·7	3·9	11·1	8·9	9·7	0·4	0·4	0·3	1·0	14	96
GREENOCK, .	17·4	4·2	8·4	11·2	11·8	0·3	1·3	0·9	1·5	11	78
MOTHERWELL AND WISHAW,	16·8	4·2	14·5	6·3	8·7	0·3	0·3	0·3	1·0	4	35
CLYDEBANK, .	20·0	1·2	14·0	4·4	8·6	0·7	0·2	..	1·5	3	41
KIRKCALDY, .	14·6	5·4	16·2	9·2	12·6	..	0·8	0·3	0·8	3	55
COATBRIDGE, .	21·4	4·9	14·3	10·0	11·4	..	0·8	0·8	1·3	2	22
KILMARNOCK,	18·9	4·7	13·9	14·5	13·6	0·9	1·2	0·9	0·3	2	30
HAMILTON, .	23·8	2·5	14·4	9·0	9·6	0·6	0·6	0·3	0·3	5	65
AYR, . . .	12·7	6·8	14·8	20·9	12·7	0·6	1·2	0·9	1·2	3	54
FALKIRK, . .	21·3	4·3	15·4	13·0	11·4	..	0·9	0·6	1·9	3	52
DUNFERMLINE,	14·7	..	17·2	12·1	9·6	..	0·6	0·6	1·0	1	21
PERTH, . .	18·0	3·6	11·7	15·3	10·8	..	0·7	..	0·3	2	44
TOTAL . . (SIXTEEN TOWNS)	17·7	5·5	14·7	11·9	11·0	0·3	0·8	0·5	1·1	236	59

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for July 1938, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	Deaths from *Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.	‡Infantile Mortality Rate.	Mean Temperature.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
JULY 1938, .	**17·7**	**5·5**	**14·7**	**11·0**	**1**	**3**	**6**	**11**	**18**	**9**	**8**	**10**	**59**	**57°·5**
JULY 1937, .	18·5	6·0	14·7	11·3	1	3	4	21	15	4	8	8	68	58°·5
JULY 1936, .	18·7	5·7	14·3	11·1	3	32	6	27	10	9	5	15	71	58°·7
JULY 1935, .	19·2	5·8	15·4	11·0	0	2	4	15	5	6	4	8	64	59°·6
JULY 1934, .	18·7	6·5	14·4	11·3	2	52	3	31	22	8	9	8	65	62°·1
JULY 1933, .	18·1	6·0	13·5	10·8	1	1	13	19	12	7	11	12	61	62°·2
JULY 1932, .	18·3	6·5	11·4	10·6	1	9	8	15	8	5	10	7	63	58°·8
JULY 1931, .	20·3	6·1	12·5	10·9	0	34	3	34	14	6	17	14	69	58°·0
JULY 1930, .	19·9	6·6	12·3	11·5	0	25	5	30	14	11	12	15	55	58°·3
JULY 1929, .	20·7	6·4	14·0	11·7	0	8	3	32	15	3	18	18	68	58°·3
JULY 1928, .	20·7	6·8	13·1	11·4	1	15	4	48	16	8	7	13	71	57°·3

Figures in columns 5-14 have been corrected for non-resident deaths.
* Including Paratyphoid from 1931.
† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.
‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—July 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age. -1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over
1	Typhoid Fever (including Paratyphoid) –	1	–	1	–	–	–	–	–	1	–	–	–	–	–	–
4	Measles – – – – – –	3	–	3	–	3	–	–	–	–	–	–	–	–	–	–
5	Scarlet Fever – – – – –	6	3	3	1	2	1	–	–	–	2	–	–	–	–	–
6	Whooping-cough – – – – –	11	6	5	5	5	1	–	–	–	–	–	–	–	–	–
7	Diphtheria – – – – – –	18	9	9	1	7	6	2	2	–	–	–	–	–	–	–
8	Influenza – – – – – –	9	5	4	–	1	1	–	–	–	2	1	2	1	1	–
14 (1)	Cerebro-spinal Fever – – – –	8	2	6	6	1	–	–	1	–	–	–	–	–	–	–
14 (2)	Other Epidemic Diseases (2, 3, 9)* – –	10	4	6	2	–	–	–	–	2	2	1	–	2	1	–
10	Tuberculosis of Respiratory System –	115	59	56	1	2	1	5	40	25	16	15	5	5	–	–
11	Other Tuberculous Diseases – – –	55	22	33	5	11	13	3	10	7	1	–	5	–	–	–
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	11	10	1	3	–	–	–	1	2	1	3	1	–	–	–
15	Cancer, Malignant Disease – – –	317	149	168	–	1	–	–	1	8	14	43	98	102	40	10
18	Diabetes Mellitus – – – – –	29	12	17	–	–	–	–	1	–	1	4	12	9	2	–
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	54	22	32	1	2	3	3	3	4	4	7	11	8	6	2
22	Cerebral Hæmorrhage, &c. – – –	216	95	121	–	–	–	–	–	1	5	11	67	75	47	10
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	42	22	20	3	1	4	2	3	6	5	5	5	5	2	1
24	Heart Disease – – – – – –	578	296	282	1	–	2	2	7	9	26	55	110	192	149	25
25	Other Circulatory Diseases – – –	46	31	15	–	–	–	–	–	–	1	1	10	23	10	1
26	Bronchitis – – – – – –	58	33	25	1	–	–	–	1	–	2	7	10	17	16	4
27	Pneumonia (all forms) – – – –	149	92	57	33	17	1	2	3	12	14	17	10	25	15	–
28	Other Respiratory Diseases – – –	26	19	7	1	2	–	–	–	–	1	3	6	5	4	4
32 (1)	Gastric and Duodenal Ulcer – – –	23	17	6	–	–	–	–	1	2	3	4	7	3	3	–
29	Diarrhœa, &c. (all ages) – – –	55	35	20	44	4	1	–	–	–	1	2	1	1	1	–
30	Appendicitis – – – – – –	11	7	4	–	1	1	1	2	–	2	–	1	3	–	–
31 (1)	Cirrhosis of Liver – – – – –	4	1	3	–	–	–	–	–	–	1	1	–	2	–	–
31 (2)	Other Diseases of Liver, &c. – – –	20	7	13	–	–	–	–	–	1	–	3	6	6	3	1
32 (2)	Other Digestive Diseases – – –	37	18	19	5	1	1	1	1	1	2	5	6	9	4	1
33	Acute and Chronic Nephritis – –	67	30	37	1	–	–	–	2	7	3	10	19	20	5	–
34	Other Dis. of Genito-Urinary System –	51	34	17	–	1	–	–	5	1	5	6	6	19	7	1
35	Puerperal Sepsis – – – – –	7	–	7	–	–	–	–	2	2	3	–	–	–	–	–
36	Other Puerperal Causes – – –	10	–	10	–	–	–	–	2	5	3	–	–	–	–	–
37	Diseases of Skin and Locomotor System –	19	10	9	5	–	1	1	–	1	2	1	4	4	–	–
38	Congen. Debil., Prem. Birth, Malform., &c.	113	67	46	111	2	–	–	–	–	–	–	–	–	–	–
39	Old Age – – – – – – –	48	20	28	–	–	–	–	–	–	–	–	2	9	29	8
40	Suicide – – – – – – –	21	16	5	–	–	–	–	–	3	4	7	3	4	–	–
42	Other Violence (41) – – – –	92	59	33	5	11	5	4	12	6	6	7	11	17	4	4
43	Causes Ill-defined or Unknown – –	42	25	17	1	–	–	–	–	1	1	2	12	15	9	1
	All Causes – –	2382	1237	1145	236	75	42	26	100	107	133	221	430	581	358	73

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—July 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	...	...	...	1	...	...	...	...
4	Measles	3	1	...	2	...	...	...	...	...
5	Scarlet Fever	6	4	...	...	...	...	1	...	1
6	Whooping-cough	11	7	...	...	...	1	1	...	...
7	Diphtheria	18	8	3	1	...	1	...	1	1
8	Influenza...	9	3	1	...	1	1	...	1	...
14 (1)	Cerebro-spinal Fever	8	6	1	...	...	...	...	...	1
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	10	7	2	1	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	115	54	25	6	5	2	6	2	...
11	Other Tuberculous Diseases	55	29	9	1	3	1	3	...	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	11	5	2	...	1	2	...	...	...
15	Cancer, Malignant Disease	317	125	63	23	24	15	7	8	5
18	Diabetes Mellitus	29	16	6	2	4	...	...	1	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	54	21	14	2	1	1	1	1	1
22	Cerebral Hæmorrhage, &c.	216	92	46	11	14	2	5	7	2
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	42	21	7	2	3	2	3	1	...
24	Heart Disease	578	266	94	54	41	14	13	6	8
25	Other Circulatory Diseases	46	14	14	3	5	1	2	2	...
26	Bronchitis	58	31	5	4	1	2	3	...	2
27	Pneumonia (all forms)	149	76	24	6	11	6	6	6	3
28	Other Respiratory Diseases	26	11	9	...	1	...	1	...	1
32 (1)	Gastric and Duodenal Ulcer	23	10	5	...	2	...	1	1	1
29	Diarrhœa, &c. (all Ages)	55	36	4	3	1	4	...	1	2
30	Appendicitis	11	8	1	...	...	...	1	...	...
31 (1)	Cirrhosis of Liver	4	2	1	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	20	8	3	1	1	2	1	...	1
32 (2)	Other Digestive Diseases	37	15	7	4	2	1	1	1	...
33	Acute and Chronic Nephritis	67	33	12	...	2	2	5	1	3
34	Oth. Diseases of Genito-Urinary System	51	19	12	5	4	...	1	3	1
35	Puerperal Sepsis	7	2	1	2	...	...	...	...	...
36	Other Puerperal Causes	10	6	2	1	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	19	9	5	...	1	...	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	113	48	22	11	5	8	7	1	...
39	Old Age	48	21	4	5	4	2	6	2	...
40	Suicide	21	8	6	3	1	1	1	...	...
42	Other Violence (41)	92	60	11	...	9	3	2	3	...
43	Causes Ill-defined or Unknown ...	42	21	1	...	2	1	2	1	1
	All Causes ...	2382	1103	422	153	150	75	81	50	35
	AGE AT DEATH.									
	Under 1	236	127	30	15	11	14	11	4	3
	1– 4	75	41	5	4	5	...	3	3	2
	5– 9	42	27	4	1	...	4	2	...	1
	10–14	26	12	7	2	...	1	2	1	...
	15–24	100	49	22	2	5	1	6	1	1
	25–34	107	56	16	6	3	7	3	...	1
	35–44	133	71	24	8	9	5	3	3	1
	45–54	221	106	36	13	14	8	9	2	7
	55–64	430	206	84	28	25	11	11	11	5
	65–74	581	243	104	35	45	9	17	16	12
	75–84	358	144	68	33	26	10	12	6	1
	85 and over	73	21	22	6	7	5	2	3	1
	Not stated	...	...	...	...	...	...	...	...	...
	All Ages ...	2382	1103	422	153	150	75	81	50	35

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—July 1938—*continued.*

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	...	...	...	...	...	...	...	...
5	Scarlet Fever	...	...	...	...	...	...	...	...
6	Whooping-cough	...	...	1	1	...	...	...	...
7	Diphtheria	...	...	1	1	1	...	...	...
8	Influenza...	...	...	1	...	1	...	...	...
14 (1)	Cerebro-spinal Fever	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	1	3	3	1	3	2	2	...
11	Other Tuberculous Diseases	2	...	1	1	1	1	...	2
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	1
15	Cancer, Malignant Disease	12	6	5	5	3	8	3	5
18	Diabetes Mellitus	...	...	...	...	...	...	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	...	...	3	2	1	1	2	3
22	Cerebral Hæmorrhage, &c.	6	6	6	4	4	3	2	6
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	1	...	...	1	...	...	1	...
24	Heart Disease	14	6	16	8	15	7	9	7
25	Other Circulatory Diseases	1	2	...	...	1	...	1	...
26	Bronchitis	1	3	...	...	2	3	...	1
27	Pneumonia (all forms)	1	2	1	1	2	2	2	...
28	Other Respiratory Diseases	1	...	...	...	...	1	1	...
32 (1)	Gastric and Duodenal Ulcer	...	1	...	...	...	1	...	1
29	Diarrhœa, &c. (all Ages)	1	2	...	1	...	...	...	...
30	Appendicitis	...	...	...	...	...	...	...	1
31 (1)	Cirrhosis of Liver	...	...	...	...	...	...	1	...
31 (2)	Other Diseases of Liver, &c.	1	...	1	...	...	...	...	1
32 (2)	Other Digestive Diseases	1	1	1	1	1	...	...	1
33	Acute and Chronic Nephritis	...	2	1	2	1	1	1	1
34	Oth. Diseases of Genito-Urinary System	...	...	1	...	2	1	1	1
35	Puerperal Sepsis	1	...	1	...	...	...	...	...
36	Other Puerperal Causes	1	...	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	...	...	...	...	1	1	...	1
38	Congenital Debility, Premature Birth, Malformations, &c.	...	1	2	3	2	2	1	...
39	Old Age	...	1	...	...	...	1	2	...
40	Suicide	1	...	...	...	...	...	...	...
42	Other Violence (41)	...	2	...	...	1	...	1	...
43	Causes Ill-defined or Unknown ...	2	5	1	...	2	2	...	1
	All Causes ...	48	43	46	32	44	37	30	33
	AGE AT DEATH.								
	Under 1	3	2	2	5	3	3	1	2
	1– 4	...	3	2	2	2	...	2	1
	5– 9	...	...	...	2	...	1	...	...
	10–14	...	...	1	...	...	...	...	...
	15–24	4	1	4	1	1	...	1	1
	25–34	1	2	4	3	3	...	1	1
	35–44	2	3	...	...	2	2	...	...
	45–54	4	2	6	2	5	5	2	...
	55–64	4	8	6	2	8	9	5	7
	65–74	23	13	10	10	14	7	10	13
	75–84	3	9	10	5	6	10	8	7
	85 and over	4	...	1	...	...	...	...	1
	Not stated	...	...	...	...	...	...	...	...
	All Ages ...	48	43	46	32	44	37	30	33

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of July 1938.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†		AIR TEMPERATURE. Mean of Maximum (A.)	Mean of Minimum (B.)	Mean of A and B (Mean Temperature).	Difference from Average.	Absolute Maximum and Minimum. Maximum.	Day of Month.	Minimum.	Day of Month.	HYGROMETER.* Mean of Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Difference from Average.	BRIGHT SUNSHINE. Hours per Day. Daily Mean.	Difference from Average.	Per Cent. of Possible.
	feet.	Mb.	inches.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	Mb.	%		inch.	inch.			
GLASGOW, Abbotsinch Aerodrome (The Meteorological Office).	19	1010·2	29·833	64·1	50·0	57·1	−1·6	69	23, 25, 30	40	1*st*	57·7	3·3	13·1	81	15	3·66	+0·86	5·01	+0·22	30
EDINBURGH, The Astronomer Royal for Scotland, Royal Observatory.	441	1010·7	29·846	63·7	51·3	57·5	−0·2	71	22, 25	46	1*st*	56·1	3·3	12·1	79	18	2·43	−0·39	4·23	−1·10	25
DUNDEE, The Director of Studies, Training College.	147	1009·7	29·816	65·4	49·5	57·5	−1·1	73	25*th*	42	1*st*	59·5	3·6	13·7	79	19	4·48	+1·92	4·11	−1·23	23
ABERDEEN, The Meteorological Office.	79	1009·7	29·816	62·1	51·1	56·6	−0·1	71	31*st*	45	7*th*	57·6	3·4	12·9	80	20	4·62	+1·81	4·53	−0·38	26
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1010·6	29·843	65·5	51·7	58·6	−0·9	72	16*th*	45	1, 15	57·7	2·9	13·3	83	17	3·92	+1·06	5·12	+0·10	30
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1010·6	29·843	63·7	51·6	57·7	−0·6	69	19*th*	46	5*th*	56·8	3·3	12·5	79	17	4·57	+0·87	5·25	..	31
KIRKCALDY, The Medical Officer of Health.	137	..	..	64·0	51·0	57·5	−1·6	70	23, 24, 26	43	1*st*	57·7	3·6	12·6	78	15	3·36	..	..	..	..
KILMARNOCK, W. DUNBAR, C.E.	132	..	..	64·5	50·0	57·3	−1·4	70	25*th*	39	5*th*	57·8	3·5	12·3	79	18	4·78	+1·67	5·43	+0·36	32
AYR, The Medical Officer of Health.	43	..	..	62·8	51·5	57·1	..	68	25*th*	43	1*st*	56·9	1·8	14·1	88	16	4·32	..	5·11	..	30
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	64·0	50·5	57·3	..	70	25*th*	43	1*st*	57·8	3·5	12·8	78	15	3·52	..	4·28	..	25
PERTH, J. RITCHIE, The Museum.	76	1010·4	29·838	66·2	50·2	58·2	−0·9	72	25*th*	42	7*th*	56·7	2·6	13·1	84	16	3·13	+0·24	3·90	−1·63	23
Means . .	147	1010·3	29·834	64·2	50·8	57·5	−0·9	..	..	..	..	57·5	3·2	13·0	81	17	3·89	+1·01	4·70	−0·52	27

North Latitude.—Glasgow, 55° 52′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Greenock, 55° 56′; Perth, 56° 24′; Mean, 56° 14′.
West Longitude.—Glasgow, 4° 17′; Edinburgh, 3° 11′; Dundee, 2° 58′; Aberdeen, 2° 6′; Paisley, 4° 26′; Greenock, 4° 46′; Perth, 3° 27′; Mean, 3° 36′.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.

† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars=29·531 mercury inches) and inches.

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FOR OFFICIAL USE

MONTHLY RETURN OF THE REGISTRAR-GENERAL

Scotland

BIRTHS, DEATHS AND MARRIAGES

Registered in sixteen of the Principal Towns

August, 1938

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of August 1938 the births (corrected for transfer to place of usual residence) of 3,847 living children, of whom 1,978 were males and 1,869 were females. Compared with the number in the previous month the total births were 6 fewer, male births being 27 more but females births 33 fewer. The monthly birth-rate in these towns taken collectively was 17·7 per thousand. This rate is the same as that for the previous month but is 0·1 below the five years' average.

In the individual towns the monthly birth-rate ranged from 23·3 in Coatbridge, 22·4 in Greenock and 22·0 in Hamilton, to 15·1 in Edinburgh, 14·6 in Kirkcaldy and 14·0 in Dunfermline. In Paisley it was 20·2, in Dundee 18·9, in Glasgow 18·3, in Perth 18 0, in Motherwell and Wishaw 17·6, in Ayr 16·8, in Falkirk 16·7, in Kilmarnock 16·5 and in Aberdeen and Clydebank 16·3.

Of the 3,847 living children whose births were registered during the month, 3,650 or 94·9 per cent. were legitimate, while 197 or 5·1 per cent. were illegitimate. The legitimate children numbered 9 more than in the previous month but the illegitimate children 15 fewer. The illegitimate percentage for the month is 0·4 below that for the previous month. In the individual towns it ranged from 8·2 in Hamilton, 7·7 in Dundee and 7·6 in Clydebank, to 3·4 in Coatbridge and in Ayr, 3·0 in Motherwell and Wishaw and 1·9 in Paisley. In Glasgow the rate was 5·3 and in Edinburgh 4 8.

Marriages.—Marriages registered during the month numbered 2,027 and are 1,174 fewer than in the previous month. The marriage-rate, 9·3 per thousand, is 5·4 below that for the previous month but 1·1 above the average. This rate is higher than has been recorded for the month of August in any year since 1920. In the individual towns it ranged from 12·5 in Edinburgh, 11·2 in Dunfermline and 11·1 in Aberdeen and in Perth, to 5·1 in Motherwell and Wishaw and in Hamilton, 4·7 in Kilmarnock and 3·9 in Clydebank. In Glasgow the rate was 9·5. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths (corrected for transfer) in the Sixteen Principal Towns during the month numbered 2,338, of which 1,162 were of males and 1,176 were of females. This number is 44 fewer than in the previous month, males being 75 fewer but females 31 more.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.

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EDINBURGH
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The monthly death-rate in these towns taken collectively was 10·8 per thousand, being 0·2 below that for the previous month but 0·4 above the average. In the towns taken individually the death-rate ranged from 12·4 in Coatbridge, 12·3 in Dundee and 12·1 in Kilmarnock, to 8·7 in Motherwell and Wishaw, 8·4 in Clydebank and 7·4 in Falkirk. In Glasgow the rate was 11·3, in Kirkcaldy 11·2, in Greenock 10·7, in Paisley 10·6, in Aberdeen 10·2, in Edinburgh 10·1, in Hamilton 9·6, in Perth 9·5, in Ayr 9·3 and in Dunfermline 8·9.

Deaths of children aged less than one year numbered 229 and equalled an infantile mortality rate of 57 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. These deaths are 7 fewer than in the previous month, while the rate is 2 less than in that month and 4 below the average. In the individual towns this rate ranged from 87 in Perth, 83 in Dunfermline and 78 in Hamilton, to 26 in Motherwell and Wishaw, 17 in Falkirk and 0 in Kirkcaldy. In Coatbridge the rate was 75, in Paisley 74, in Glasgow 68, in Aberdeen 63, in Greenock 49, in Dundee 45, in Clydebank 41, in Edinburgh 38, in Ayr 36 and in Kilmarnock 30.

Causes of Death.—Deaths from the principal epidemic diseases numbered 47 and equalled a death-rate of 0·2 per thousand. These deaths are 19 fewer than in the previous month and the rate is 0·1 less. They include none from typhoid fever, 4 from measles, 1 from scarlet fewer, 18 from whooping-cough, 6 from diphtheria, 6 from influenza, 4 from cerebro-spinal fever, and 8 from other epidemic diseases, 3 of which were ascribed to dysentery, 3 to erysipelas, 1 to acute poliomyelitis and 1 to lethargic encephalitis. Compared with the number in the previous month deaths from measles are 1 more, from scarlet fever 5 fewer, from whooping-cough 7 more, from diphtheria 12 fewer, from influenza 3 fewer, from cerebro-spinal fever 4 fewer, and from other epidemic diseases 2 fewer. In the previous month 1 death was registered from typhoid fever.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 188 and equalled a death-rate of 0·9 per thousand. Compared with the number in the previous month these deaths are 45 fewer, while the rate is 0·2 less but is the same as the average.

Deaths from all forms of tuberculosis numbered 163, of which 126 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 7 fewer but those from respiratory tuberculosis 11 more. Compared with the average the former are 2 more and the latter 4 more.

METEOROLOGICAL NOTES
supplied by the Meteorological Office, Edinburgh.

AUGUST 1938.

Mean barometric pressure, 29·960 inches; greater than the average* by 0·072 inch.

Mean temperature, 58·2° F.; greater by 0·8° F.

Mean daily range of temperature, 14·4° F.; greater by 1·1° F.

Mean daily sunshine, 5·43 hours; greater by 0·88 hour.

Rain, depth in inches, 1·81; less by 1·79 inch.

Wind, direction of; a four days' excess of winds from N.E. or E.

An anticyclone centred over north-east Scotland brought fine dry weather to all districts in the opening days of the month. A complex area of relatively low pressure covered the British Isles on the 5th and persisted for about a week, during which rather warm conditions prevailed with frequent widespread thunderstorms and a good deal of coastal fog. Sunshine records were especially good in the north and west during this period, Lerwick registering 15·1 hours on the 5th and 15·0 hours on the 9th. An intense disturbance centred between Scotland and the Faroes moved eastwards on the

* The averages or normals in the case of pressure and rainfall refer to the period 1881–1915 and in the case of temperature and sunshine to the period 1906–35.

16th, causing westerly winds, strong in exposed places, and mainly cloudy weather with occasional rain in all areas. The succeeding week was rather cool and unsettled generally but with considerable bright periods. Pressure was low over Central Europe and high over Iceland in the last week, while shallow disturbances moved eastwards across Great Britain. Over Scotland the weather was mainly showery and rather cool with sunny intervals. In Edinburgh the extremes of pressure were 30·38 inches on the 2nd and 29·24 inches on the 19th.

Mean temperatures were slightly above normal in nearly all parts of Scotland. In Orkney and Shetland the excess over the normal was appreciable, amounting to about 2° F. at all stations. In the neighbourhood of the Moray Firth and the Firth of Forth mean temperatures were a little below normal. The warmest days were the 10th, 11th and 12th, when shade temperature rose to 70° F. as far north as Shetland and reached 80° in other parts of Scotland. The highest values reported were 82° F. at Ardtornish and Ruthwell on the 10th and at Forres and Kilmarnock on the 11th. These were the highest temperatures of the year. The coolest days were the 21st, 22nd and 31st, when temperatures fell to below 40° F. in many places. The absolute minima recorded in the screen were 31° F. at Balmoral and Braemar and 32° F. at Dalwhinnie, all on the 22nd. Ground frosts were reported locally on 8 days in the latter half of the month, the lowest readings being 25° F. at Dalwhinnie on the 22nd and at Dunbar on the 23rd.

Sunshine totals exceeded the normal in all parts of Scotland. The excess was trifling in the south east but considerable in the north and west. Places in Orkney and Shetland experienced an unusually brilliant August and recorded the largest sunshine aggregates in Great Britain. Lerwick had 229 hours and Baltasound 225 hours, these totals representing excesses over the normal of 112 and 102 hours respectively. Other large aggregates were 222 hours at Lossiemouth, 213 hours at Forres, and 212 hours at Banff and Gordon Castle. Less than 150 hours' sunshine were registered at several places in east and south-east Scotland, and only 133 hours at Peebles and 135 hours at Balerno.

Rainfall was generally deficient. For the country as a whole precipitation was only about half the average. A few isolated stations in the south and in the Outer Hebrides had rather more than their average, chiefly as a result of heavy thunderstorms. Daily falls of an inch or more were fairly common. The most remarkable falls occurred on the 11th, when thunderstorms of unusual intensity occurred in Lanarkshire; 5·11 inches fell on this day at East Overton House (Strathaven), 3·96 inches at Stonehouse and 3·18 inches at Glassford Filters. Flooding resulted in wash-outs at two points on the railway near Strathaven and caused the derailment of a passenger train. Other heavy daily falls were 1·60 inch at Benmore (Argyll) on the 5th; 2·34 inches at St. Andrews and 1·83 inch at Marchmont on the 12th; 1·40 inch at Inveraray on the 18th; 1·28 inch at Benchoillie (Argyll) on the 19th; 1·52 inch at Kingairloch and 1·51 inch at Dunvegan on the 23rd; 1·68 inch at Forres on 29th.

Very heavy hail accompanied the storm in Lanarkshire on the afternoon of the 11th. In the neighbourhood of Strathaven the stones were said to be as large as pullets' eggs. Hail also fell locally on the 19th and 29th.

Sea fog, which was mainly confined to the east coast, occurred each day from the 3rd to 14th. Edinburgh had fog also on the 22nd.

Gales were reported locally on the 16th, 17th and 18th, but none were severe.

Thunderstorms were frequent and often widespread from the 5th to the 12th, and were also reported locally on the 19th, 21st and 24th. The most severe storms occurred on the 11th (see above). Coastguard houses in Skye were struck by lightning during a storm in the early hours of the 12th.

Aurora was observed locally on nine nights. It was seen as far south as St. Abbs Head (Berwickshire) on the 23rd.

NOTE.—The mean values refer to those of the Principal Towns named in Meteorological Table on p. 64.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, August 1938.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
									REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes.)
	Census 1931.	Estimated to middle of 1938. (Provisional.)	Both Sexes.	Males.	Females.	Legitimate.	Illegitimate.		Both Sexes.	Males.	Females.	Out.	In.	
GLASGOW, . .	1,093,337	1,126,000	1752	897	855	1660	92	910	1181	608	573	159	57	1079
EDINBURGH, .	439,010	469,700	603	302	301	574	29	498	475	230	245	90	19	404
DUNDEE, . .	175,681	177,600	285	154	131	263	22	104	198	94	104	21	8	185
ABERDEEN, . .	169,803	178,200	246	134	112	233	13	168	190	103	87	44	8	154
PAISLEY, . .	86,445	91,100	156	78	78	153	3	51	87	47	40	14	9	82
GREENOCK, . .	79,012	81,100	154	87	67	148	6	50	76	47	29	5	3	74
MOTHERWELL AND WISHAW, .	65,611	67,500	101	52	49	98	3	29	40	16	24	1	11	50
CLYDEBANK, .	46,991	47,800	66	32	34	61	5	16	18	10	8	2	18	34
KIRKCALDY, .	43,874	45,000	56	27	29	54	2	26	39	22	17	4	8	43
COATBRIDGE, .	43,312	44,500	88	44	44	85	3	23	43	14	29	1	5	47
KILMARNOCK, .	38,681	39,900	56	32	24	54	2	16	44	15	29	10	7	41
HAMILTON, . .	38,112	39,100	73	35	38	67	6	17	27	16	11	3	8	32
AYR, . . .	38,905	40,700	58	29	29	56	2	19	56	22	34	29	5	32
FALKIRK, . .	36,566	38,200	54	25	29	52	2	31	56	19	17	14	2	24
DUNFERMLINE, .	35,058	36,900	44	24	20	41	3	35	40	21	19	13	1	28
PERTH, . . .	35,051	36,100	55	26	29	51	4	34	45	23	22	17	1	29
TOTAL . . (SIXTEEN TOWNS)	2,465,449	2,559,400	3847	1978	1869	3650	197	2027	2595	1307	1288	427	170	2338

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, August 1938.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW, .	18·3	5·3	9·5	12·3	11·3	0·2	0·9	0·7	0·9	127	68
EDINBURGH, .	15·1	4·3	12·5	11·9	10·1	0·1	0 8	0·5	0·9	24	38
DUNDEE, . .	18·9	7·7	6·9	13·1	12·3	0·3	0·9	0·8	1·1	12	45
ABERDEEN, .	16·3	5·3	11·1	12·6	10·2	0·3	0·3	0·2	0·5	16	63
PAISLEY, . .	20·2	1·9	6·6	11·2	10·6	0·4	0·8	0·8	0·8	11	74
GREENOCK, .	22·4	3·9	7·3	11·0	10·7	0·3	0·7	0·6	0·6	7	49
MOTHERWELL AND WISHAW,	17·6	3·0	5·1	7·0	8·7	0·3	0 9	0·5	0·9	3	26
CLYDEBANK, .	16·3	7·6	3·9	4·4	8·4	0·2	1·0	0·5	0·7	3	41
KIRKCALDY, .	14·6	3·6	6·8	10·2	11·2	0·3	..	..	0·5	..	..
COATBRIDGE, .	23·3	3·4	6·1	11·4	12·4	0·3	1·1	1·1	1·6	7	75
KILMARNOCK,	16·5	3·6	4·7	13·0	12·1	..	..	..	1·8	2	30
HAMILTON, .	22·0	8·2	5·1	8·1	9·6	0·9	0·3	0·3	0·6	6	78
AYR, . . .	16·8	3·4	5·5	16·2	9·3	..	0·6	0·6	0·9	2	36
FALKIRK, . .	16·7	3·7	9·6	11·1	7·4	0·6	0·6	..	0·3	1	17
DUNFERMLINE,	14·0	6·8	11·2	12·8	8·9	0·6	..	..	0·3	4	83
PERTH, . .	18·0	7·3	11·1	14·7	9·5	..	0·3	0·3	1·0	4	87
TOTAL . . (SIXTEEN TOWNS)	17·7	5·1	9·3	11·9	10·8	0·2	0·7	0·6	0·9	229	57

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for August 1938, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM *Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.	‡Infantile Mortality Rate.	Mean Temperature.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
AUG. 1938, .	**17·7**	**5·1**	**9·3**	**10·8**	**0**	**4**	**1**	**18**	**6**	**6**	**4**	**8**	**57**	**58°·2**
AUG. 1937, .	18·2	5·8	8·8	10·6	1	2	2	14	23	4	3	5	68	59°·1
AUG. 1936, .	17·5	5·2	8·8	10·9	1	8	5	16	9	8	3	8	68	59°·6
AUG. 1935, .	17·6	6·3	7·8	10·4	4	3	3	20	19	3	4	14	54	59°·9
AUG. 1934, .	17·6	6·1	8·0	10·3	1	31	7	13	19	4	8	3	51	57°·6
AUG. 1933, .	17·9	5·8	7·4	10·0	1	1	4	17	10	4	6	7	66	60°·6
AUG. 1932, .	18·6	6·2	7·5	11·0	2	8	7	20	17	7	8	12	79	59°·0
AUG. 1931, .	18·5	6·7	7·2	10·5	1	23	5	18	12	5	9	9	55	55°·7
AUG. 1930, .	19·7	6·0	7·0	10·4	1	9	4	13	8	4	7	19	60	58°·3
AUG. 1929, .	19·5	6·6	6·7	10·8	1	9	1	20	10	12	8	12	61	56°·7
AUG. 1928, .	20·2	6·7	6·7	11·4	1	4	2	42	7	12	9	17	77	57°·5

Figures in columns 5-14 have been corrected for non-resident deaths.
* Including Paratyphoid from 1931.
† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.
‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—August 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age. -1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over
1	Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Measles - - - - - - -	4	2	2	1	3	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever - - - - - -	1	-	1	-	-	1	-	-	-	-	-	-	-	-	-
6	Whooping-cough - - - - -	18	7	11	12	6	-	-	-	-	-	-	-	-	-	-
7	Diphtheria - - - - - - -	6	3	3	-	4	2	-	-	-	-	-	-	-	-	-
8	Influenza - - - - - - -	6	3	3	-	-	-	-	-	-	-	1	1	2	1	1
14 (1)	Cerebro-spinal Fever - - - -	4	1	3	2	-	-	-	2	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)* - -	8	4	4	-	1	-	-	1	-	2	-	1	2	1	-
10	Tuberculosis of Respiratory System -	126	63	63	-	3	-	5	38	24	25	14	9	7	1	-
11	Other Tuberculous Diseases - - -	37	18	19	3	9	4	2	6	4	1	1	3	1	2	1
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	11	8	3	3	-	1	-	-	1	-	3	1	2	-	-
15	Cancer, Malignant Disease - - -	348	154	194	-	1	-	-	3	9	20	47	93	116	50	9
18	Diabetes Mellitus - - - - -	31	13	18	-	-	-	-	2	-	2	4	10	8	5	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	62	22	40	4	2	7	5	4	4	4	8	11	7	5	1
22	Cerebral Hæmorrhage, &c. - - -	223	103	120	1	-	-	-	-	2	6	14	43	71	74	12
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	67	40	27	12	3	1	-	3	6	8	8	13	10	3	-
24	Heart Disease - - - - - -	517	258	259	-	1	-	2	9	20	16	37	97	164	141	30
25	Other Circulatory Diseases - - -	32	17	15	1	-	-	-	-	1	2	1	2	10	11	4
26	Bronchitis - - - - - -	63	27	36	3	1	-	-	1	4	4	5	8	13	14	5
27	Pneumonia (all forms) - - - -	99	55	44	27	14	2	1	2	5	6	8	12	11	7	4
28	Other Respiratory Diseases - - -	26	12	14	-	-	-	-	-	-	3	5	5	7	5	1
32 (1)	Gastric and Duodenal Ulcer - - -	25	18	7	-	1	-	1	-	5	3	4	4	5	2	-
29	Diarrhœa, &c. (all ages) - - -	47	23	24	33	2	1	-	1	-	-	2	3	3	1	1
30	Appendicitis - - - - - -	18	11	7	-	1	1	2	3	2	1	4	2	2	-	-
31 (1)	Cirrhosis of Liver - - - - -	8	6	2	-	-	-	-	-	1	-	2	3	2	-	-
31 (2)	Other Diseases of Liver, &c. - - -	15	4	11	-	-	-	-	2	1	-	2	3	6	1	-
32 (2)	Other Digestive Diseases - - -	28	14	14	-	1	-	1	-	-	5	2	7	10	2	-
33	Acute and Chronic Nephritis - -	71	34	37	-	-	-	1	3	9	5	12	13	19	8	1
34	Other Dis. of Genito-Urinary System -	28	22	6	2	-	-	-	-	1	1	4	2	12	5	1
35	Puerperal Sepsis - - - - - -	9	-	9	-	-	-	-	3	1	5	-	-	-	-	-
36	Other Puerperal Causes - - -	16	-	16	-	-	-	-	1	11	4	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	17	10	7	2	1	2	2	1	1	1	1	4	1	1	-
38	Congen. Debil., Prem. Birth, Malform., &c.	122	66	56	119	3	-	-	-	-	-	-	-	-	-	-
39	Old Age - - - - - - -	78	30	48	-	-	-	-	-	-	-	-	-	17	45	16
40	Suicide - - - - - - -	25	16	9	-	-	-	-	1	5	4	8	4	1	2	-
42	Other Violence (41) - - - -	93	69	24	4	6	4	8	14	6	13	8	9	6	11	4
43	Causes Ill-defined or Unknown - -	49	29	20	-	-	-	1	1	1	1	11	10	14	10	-
	ALL CAUSES - -	2338	1162	1176	229	63	26	31	101	124	142	216	373	534	408	91

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—August 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles	4	...	...	...	...	1	1	...	...
5	Scarlet Fever	1	...	...	...	...	1	...	...	...
6	Whooping-cough	18	13	...	1	...	1	...	1	...
7	Diphtheria	6	2	1	2	1	...	...	...	...
8	Influenza...	6	2	1	1	1	...	...	...	...
14 (1)	Cerebro-spinal Fever	4	2	...	...	...	...	...	1	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	8	1	...	...	2	...	1	...	1
10	Tuberculosis of Respiratory System ...	126	69	19	12	3	6	4	3	2
11	Other Tuberculous Diseases	37	13	14	2	1	...	1	2	2
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	11	6	3	...	...	...	...	...	...
15	Cancer, Malignant Disease	348	153	62	33	24	13	11	10	4
18	Diabetes Mellitus	31	12	1	3	3	4	...	2	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	62	32	9	5	6	...	1	...	...
22	Cerebral Hæmorrhage, &c.	223	102	40	15	20	8	6	1	2
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	67	31	15	4	6	3	1	1	...
24	Heart Disease	517	241	96	46	28	12	18	11	6
25	Other Circulatory Diseases	32	10	10	2	5	1	1	...	...
26	Bronchitis	63	28	14	6	...	2	...	3	1
27	Pneumonia (all forms)	99	47	14	9	6	3	3	2	2
28	Other Respiratory Diseases	26	12	7	1	2	1	1	...	...
32 (1)	Gastric and Duodenal Ulcer	25	11	5	2	3	1	...	1	...
29	Diarrhœa, &c. (all Ages)	47	30	6	1	1	1	5	...	1
30	Appendicitis	18	7	2	2	3	...	1	...	...
31 (1)	Cirrhosis of Liver	8	7	...	...	1	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	15	7	3	1	...	1	1	...	...
32 (2)	Other Digestive Diseases	28	11	8	2	2	...	...	1	1
33	Acute and Chronic Nephritis	71	24	16	4	5	3	2	2	2
34	Oth. Diseases of Genito-Urinary System	28	12	8	1	2	...	1	1	...
35	Puerperal Sepsis	9	5	1	...	1	...	...	...	...
36	Other Puerperal Causes	16	10	1	1	...	3	...	...	...
37	Dis. of Skin, and of Locomotor System	17	10	1	1	...	...	1	1	1
38	Congenital Debility, Premature Birth, Malformations, &c.	122	62	15	8	10	7	3	1	2
39	Old Age	78	34	5	5	5	3	8	4	4
40	Suicide	25	7	7	7	2	...	...	...	...
42	Other Violence (41)	93	39	15	8	9	4	1	2	1
43	Causes Ill-defined or Unknown ...	49	27	5	...	2	3	2	...	2
	All Causes ...	2338	1079	404	185	154	82	74	50	34
	AGE AT DEATH.									
	Under 1	229	127	24	12	16	11	7	3	3
	1– 4	63	35	6	4	2	2	6	1	...
	5– 9	26	9	11	2	2	1	...	1	...
	10–14	31	15	6	3	2	...	...	...	1
	15–24	101	51	15	7	7	3	4	4	1
	25–34	124	62	16	12	7	4	3	3	2
	35–44	142	69	23	11	9	5	5	...	3
	45–54	216	104	29	20	14	10	4	6	4
	55–64	373	168	63	30	27	14	9	5	6
	65–74	534	234	102	47	34	19	18	14	4
	75–84	408	176	77	31	26	10	16	10	10
	85 and over	91	29	33	6	8	3	2	3	...
	Not stated	...	...	...	...	...	...	...	...	...
	All Ages ...	2338	1079	404	185	154	82	74	50	34

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—August 1938—*continued.*

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	...	...	...	1	...	...	1	...
5	Scarlet Fever	...	...	...	...	...	...	...	...
6	Whooping-cough	...	1	...	1	...	...	...	...
7	Diphtheria	...	...	...	...	...	...	...	...
8	Influenza...	...	...	...	...	...	...	1	...
14 (1)	Cerebro-spinal Fever	...	...	...	1	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	1	...	...	...	...	2	...	...
10	Tuberculosis of Respiratory System ...	...	4	...	1	2	...	...	1
11	Other Tuberculous Diseases	...	...	...	...	...	2	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	1	...	...	...	1	...	...	...
15	Cancer, Malignant Disease	4	7	3	8	5	3	5	3
18	Diabetes Mellitus	1	3	1	...	1	...	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	...	...	4	2	1	...	1	1
22	Cerebral Hæmorrhage, &c.	6	3	6	4	4	3	2	1
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	2	...	2	1	...	...	...	1
24	Heart Disease	12	10	5	3	6	7	6	10
25	Other Circulatory Diseases	...	...	1	1	...	...	...	1
26	Bronchitis	2	2	2	1	1	...	...	1
27	Pneumonia (all forms)	...	4	4	1	1	1	...	2
28	Other Respiratory Diseases	...	...	...	...	1	...	1	...
32 (1)	Gastric and Duodenal Ulcer	2	...	...	...	...	...	...	...
29	Diarrhœa, &c. (all Ages)	...	1	...	...	...	...	1	...
30	Appendicitis	1	1	1	...	...	...	...	...
31 (1)	Cirrhosis of Liver	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	...	...	1	...	...	...	...	1
32 (2)	Other Digestive Diseases	1	...	1	...	...	...	1	...
33	Acute and Chronic Nephritis	...	2	3	2	2	2	1	1
34	Oth. Diseases of Genito-Urinary System	1	...	1	...	...	...	...	1
35	Puerperal Sepsis	...	1	1	...	...	...	...	...
36	Other Puerperal Causes	...	...	...	1	...	...	...	...
37	Dis. of Skin, and of Locomotor System	...	...	...	...	2	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	...	3	1	3	2	...	3	2
39	Old Age	2	2	2	...	1	1	2	...
40	Suicide	2	...	...	...	...	...	...	...
42	Other Violence (41)	5	2	2	...	...	1	1	3
43	Causes Ill-defined or Unknown ...	...	1	...	1	2	2	2	...
	All Causes ...	43	47	41	32	32	24	28	29
	AGE AT DEATH.								
	Under 1	...	7	2	6	2	1	4	4
	1– 4	...	...	2	1	...	1	2	1
	5– 9	...	...	...	...	...	...	...	...
	10–14	1	1	...	1	...	...	1	...
	15–24	...	3	1	1	1	2	...	1
	25–34	2	4	3	3	2	1	...	...
	35–44	4	5	1	2	...	2	1	3
	45–54	2	1	5	1	4	3	6	3
	55–64	9	6	5	8	12	3	4	4
	65–74	12	12	13	4	5	8	5	3
	75–84	12	7	5	5	6	3	5	9
	85 and over	1	1	4	...	...	...	...	1
	Not stated	...	...	...	...	...	...	...	...
	All Ages ...	43	47	41	32	32	24	28	29

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of August 1938.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†		AIR TEMPERATURE. Mean of Maximum (A.)	Mean of Minimum (B.)	Mean of A and B (Mean Temperature).	Difference from Average.	Absolute Maximum and Minimum. Maximum.	Day of Month.	Minimum.	Day of Month.	HYGROMETER.* Mean of Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Difference from Average.	BRIGHT SUNSHINE. Hours per Day. Daily Mean.	Difference from Average.	Per Cent. of Possible.
	feet.	Mb.	inches.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	Mb.	%		inch.	inch.			
GLASGOW, Abbotsinch Aerodrome (The Meteorological Office).	19	1014·1	29·946	66·7	50·2	58·5	+1·4	77	10, 11	40	21st	58·3	3·0	13·9	83	14	2·46	−1·16	5·25	+1·09	35
EDINBURGH, The Astronomer Royal for Scotland, Royal Observatory.	441	1014·7	29·966	62·8	51·6	57·2	+0·1	70	1st	44	22nd	56·1	2·4	13·1	85	16	1·15	−2·06	4·66	+0·11	31
DUNDEE, The Director of Studies, Training College.	147	1014·4	29·955	66·3	50·6	58·5	+0·9	73	8th	42	22nd	60·3	3·3	14·4	81	14	1·42	−1·35	5·63	+0·93	37
ABERDEEN, The Meteorological Office.	79	1014·1	29·946	61·9	50·7	56·3	+0·1	67	11th	38	31st	56·7	2·7	13·1	84	16	1·13	−1·61	6·41	+1·91	42
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1014·5	29·960	67·0	52·4	59·7	+1·2	78	11th	44	21st	58·6	2·8	14·0	83	15	2·03	−1·88	5·24	+0·81	35
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1014·7	29·966	65·6	52·6	59·1	+1·6	77	11th	45	21, 31	57·7	3·2	13·1	80	16	2·48	−2·66	5·86	..	39
KIRKCALDY, The Medical Officer of Health.	137	..	..	64·0	51·0	57·5	−0·6	71	25th	42	21st	58·5	2·2	14·5	86	18	1·62	..	4·74	..	32
KILMARNOCK, W. DUNBAR, C.E.	132	..	..	67·6	49·5	58·5	+0·6	82	11th	36	28th	59·4	3·2	14·0	81	16	2·73	−1·19	5·54	+1·18	37
AYR, The Medical Officer of Health.	43	..	..	64·6	51·3	57·9	..	77	10th	39	31st	58·3	1·8	14·8	89	12	1·82	..	6·52	..	44
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	64·2	51·4	57·8	..	72	11th	40	21st	58·2	2·8	13·7	83	17	1·65	..	5·02	..	33
PERTH, J. RITCHIE, The Museum.	76	1015·2	29·979	68·4	50·1	59·3	+1·6	79	10th	40	21st	56·1	1·8	13·6	88	11	1·42	−1·95	4·85	+0·14	32
Means . .	147	1014·5	29·960	65·4	51·0	58·2	+0·8	..	..	..	..	58·0	2·7	13·8	84	15	1·81	−1·79	5·43	+0·88	36

North Latitude.—Glasgow, 55° 52′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Greenock, 55° 56′; Perth, 56° 24′; Mean, 56° 14′.
West Longitude.—Glasgow, 4° 17′; Edinburgh, 3° 11′; Dundee, 2° 58′; Aberdeen, 2° 6′; Paisley, 4° 26′; Greenock, 4° 46′; Perth, 3° 27′; Mean, 3° 36′.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.

† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars=29·531 mercury inches) and inches.

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FOR OFFICIAL USE

The Royal Sanitary Institute

MONTHLY RETURN OF THE REGISTRAR-GENERAL

Scotland

BIRTHS, DEATHS AND MARRIAGES

Registered in sixteen of the Principal Towns

September, 1938

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of September 1938 the births (corrected for transfer to place of usual residence) of 3,597 living children, of whom 1,907 were males and 1,690 were females. Compared with the number in the previous month the total births were 250 fewer, male births being 71 fewer and female births 179 fewer. The monthly birth-rate in these towns taken collectively was 17·1 per thousand. This rate is 0·6 less than that for the previous month but is 0·5 above the five years' average.

In the individual towns the monthly birth-rate ranged from 23·5 in Coatbridge, 21·4 in Hamilton and 19·6 in Paisley, to 13·8 in Ayr, 12·5 in Dunfermline and 11·9 in Kirkcaldy. In Motherwell and Wishaw and in Kilmarnock it was 19·5, in Glasgow 18·1, in Falkirk 17·2, in Dundee 16·4, in Perth 16·2, in Aberdeen 15·7, in Greenock 15·6, in Clydebank 15·5 and in Edinburgh 15·2.

Of the 3,597 living children whose births were registered during the month 3,419 or 95·1 per cent. were legitimate, while 178 or 4·9 per cent. were illegitimate. It is the lowest illegitimate rate recorded in these Reports for the month of September. The legitimate children numbered 231 fewer than in the previous month and the illegitimate children 19 fewer. The illegitimate percentage for the month is 0·2 below that for the previous month. In the individual towns it ranged from 8·7 in Ayr, 6·3 in Perth and 6·1 in Aberdeen, to 2·3 in Kirkcaldy and 0 in Clydebank and in Falkirk. In Glasgow the rate was 5·5 and in Edinburgh 4·4.

Marriages.—Marriages registered during the month numbered 2,340 and are 313 more than in the previous month. The marriage-rate, 11·1 per thousand, is 1·8 above that for the previous month and 0·5 above the average. In the individual towns it ranged from 14·7 in Aberdeen and in Ayr and 13·2 in Edinburgh, to 7·3 in Dundee, 6·8 in Coatbridge and 6·7 in Kilmarnock. In Glasgow

NOTE.—The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.

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the rate was 11·5. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.—Deaths (corrected for transfer) in the Sixteen Towns during the month numbered 2,356, of which 1,237 were of males and 1,119 were of females. This number is 18 more than in the previous month, males being 75 more but females 57 fewer.

The monthly death-rate in these towns taken collectively was 11·2 per thousand, being 0·4 above that for the previous month and 0·4 above the average. In the towns taken individually the death-rate ranged from 13·7 in Coatbridge, 13·0 in Paisley and 12·3 in Ayr, to 9·0 in Hamilton, 8·6 in Greenock and 8·1 in Kirkcaldy. In Dundee the rate was 11·9, in Falkirk 11·8, in Glasgow 11·6, in Perth 11·1, in Edinburgh 10·9, in Aberdeen 10·6, in Motherwell and Wishaw 10·5, in Kilmarnock 10·4, in Clydebank 9·7 and in Dunfermline 9·6.

Deaths of children aged less than one year numbered 227, and equalled an infantile mortality rate of 59 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. These deaths are 2 more than in the previous month, while the rate is 2 more than in that month but 8 below the average. In the individual towns this rate ranged from 111 in Kirkcaldy, 76 in Paisley and 74 in Aberdeen and in Greenock, to 35 in Dundee, 28 in Clydebank and 27 in Motherwell and Wishaw. In Hamilton the rate was 68, in Glasgow 65, in Coatbridge and in Ayr 55, in Kilmarnock 48, in Edinburgh 47, in Perth 44, in Dunfermline 43 and in Falkirk 36.

Causes of Death.—Deaths from the principal epidemic diseases numbered 52 and equalled a death-rate of 0·2 per thousand. These deaths are 5 more than in the previous month but the rate is the same. They include none from typhoid fever, 1 from measles, 6 from scarlet fever, 13 from whooping-cough, 14 from diphtheria, 5 from influenza, 4 from cerebro-spinal fever, and 9 from other epidemic diseases, 4 of which were ascribed to lethargic encephalitis, 3 to erysipelas and 2 to acute poliomyelitis. Compared with the number in the previous month deaths from measles are 3 fewer, from scarlet fever 5 more, from whooping-cough 5 fewer, from diphtheria 8 more, from influenza 1 fewer, from cerebro-spinal fever the same and from other epidemic diseases 1 more.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 250 and equalled a death-rate of 1·2 per thousand. Compared with the number in the previous month these deaths are 62 more, while the rate is 0·3 more and is 0·1 above the average.

Deaths from all forms of tuberculosis numbered 152, of which 127 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 11 fewer but those from respiratory tuberculosis 1 more. Compared with the average the former are 3 fewer but the latter 7 more.

METEOROLOGICAL NOTES

supplied by the Meteorological Office, Edinburgh.

SEPTEMBER 1938.

Mean barometric pressure, 29·940 inches; less than the average* by 0·037.
Mean temperature, 55·4° F.; greater by 1·9° F.
Mean daily range of temperature, 13·2° F.; equal to normal.
Mean daily sunshine, 3·29 hours; less by 0·71 hour.
Rain, depth in inches, 3·36 inches; greater by 0·76 inch.
Wind, direction of: a three days' excess of south-east and south winds.

* The averages or normals in the case of pressure and rainfall refer to the period 1881–1915 and in the case of temperature and sunshine to the period 1906–35.

Pressure was very uniform over the British Isles at the beginning of the month, but small depressions moved south-east from the Faroes on 3rd and 6th, followed by a ridge of high pressure which produced warm and bright weather during the next few days. Secondaries to a depression in the north moving south-east across Scotland from 12th to 14th brought gales and heavy rain to northern and western districts. Another depression passed slowly eastwards across Scotland on 16th and 17th, bringing considerable falls of rain to all districts. For the next nine days an area of low pressure persisted off the western coasts of the British Isles. A ridge of high pressure, stretching from Scandinavia, was associated with widespread fog on 27th and 28th, but on 29th and 30th Scotland was again under the influence of a depression centred off the west coast. In Edinburgh the extremes of pressure were 30·38 inches on 9th and 29·46 inches on 20th.

Mean temperature was everywhere about 2° F. above normal, except locally on the east coast, where the excess was only 0·4° F. at Kirkcaldy and 0·5° at North Berwick. The largest excess was 2·5° F. at Greenock. The warmest days were 8th, 10th and 12th; on 12th Stonehaven recorded 80° F. (its maximum for the year), the next highest temperature being 77° F. at Logie Coldstone on 10th. The coolest days were 1st, 3rd and 15th; on 2nd the screen temperature was 32° F. or lower at several places, notably Dalwhinnie and Braemar with 26° F. and 28° F. respectively. Ground frosts occurred on twelve nights and were most widespread on 2nd, when the lowest reading of the month was recorded, 16° F. at Dalwhinnie.

Sunshine was much below normal except in the north, where slight excesses were recorded locally. The highest totals were at Lossiemouth, 137 hours, and at some stations round the Moray Firth, and also at Dunbar, 127 hours; several stations had less than 100 hours, Peebles having only 74 hours and Benmore 71 hours.

Rainfall was above normal except in the extreme north and locally in the west, the greatest percentage excess being along the east coast. Many places experienced over one inch on 12th, 13th, 16th or 17th, and locally on other days. The heaviest falls were on 16th, when several places recorded over two inches, notably Kinlochquoich 2·39 inches and Lennoxtown 2·30 inches. Hail or sleet occurred on three days.

Fog occurred locally on several days and was widespread from 26th to 28th, especially near the east coast and in the Firth of Clyde.

Gales were reported locally on nine days, but none were severe.

Thunderstorms were experienced in many districts on 1st and locally on other days.

Aurora was seen locally on thirteen nights, the display of 14th being the brightest and most widely observed.

NOTE.—The mean values refer to those of the Principal Towns named in Meteorological Table on p. 72.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, September 1938.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
									REGISTERED			TRANSFERS (Both Sexes.)		
	Census 1931.	Estimated to middle of 1938. (Provisional.)	Both Sexes.	Males.	Females.	Legitimate.	Illegitimate.		Both Sexes.	Males.	Females.	Out.	In.	Corrected for Transfers (Both Sexes)
GLASGOW,	1,093,337	1,126,000	1673	868	805	1581	92	1066	1179	639	540	153	46	1072
EDINBURGH,	439,010	469,700	586	309	277	560	26	508	506	256	250	98	14	422
DUNDEE,	175,681	177,600	239	121	118	227	12	107	179	94	85	17	12	174
ABERDEEN,	169,803	178,200	230	134	96	216	14	215	201	98	103	51	5	155
PAISLEY,	86,445	91,100	147	85	62	139	8	63	102	58	44	13	8	97
GREENOCK,	79,012	81,100	104	61	43	100	4	52	61	37	24	6	2	57
MOTHERWELL AND WISHAW,	65,611	67,500	108	70	38	103	5	45	39	21	18	0	19	58
CLYDEBANK,	46,991	47,800	61	31	30	61	0	41	22	13	9	1	17	38
KIRKCALDY,	43,874	45,000	44	29	15	43	1	29	29	18	11	3	4	30
COATBRIDGE,	43,312	44,500	86	43	43	83	3	25	44	26	18	1	7	50
KILMARNOCK,	38,681	39,900	64	31	33	62	2	22	38	17	21	10	6	34
HAMILTON,	38,112	39,100	69	36	33	67	2	30	22	10	12	1	8	29
AYR,	38,905	40,700	46	22	24	42	4	49	52	20	32	13	2	41
FALKIRK,	36,566	38,200	54	27	27	54	0	31	43	17	26	7	1	37
DUNFERMLINE,	35,058	36,900	38	18	20	36	2	28	37	17	20	10	2	29
PERTH,	35,051	36,100	48	22	26	45	3	29	47	21	26	16	2	33
TOTAL (SIXTEEN TOWNS)	2,465,449	2,559,400	3597	1907	1690	3419	178	2340	2601	1362	1239	400	155	2356

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, September 1938.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW,	18·1	5·5	11·5	12·7	11·6	0·3	0·9	0·7	1·3	117	65
EDINBURGH,	15·2	4·4	13·2	13·1	10·9	0·1	0 6	0·5	1·0	29	47
DUNDEE,	16·4	5·0	7·3	12·3	11·9	0·1	0·4	0·3	1·3	9	35
ABERDEEN,	15·7	6·1	14·7	13·7	10·6	0·2	0·7	0·5	0·5	18	74
PAISLEY,	19·6	5·4	8·4	13·6	13·0	0·5	0·8	0·5	1·1	11	76
GREENOCK,	15·6	3·8	7·8	9·2	8·6	0·3	0·3	0·3	0·9	10	74
MOTHERWELL AND WISHAW,	19·5	4·6	8·1	7·0	10·5	0·5	0·7	0·7	1·6	3	27
CLYDEBANK,	15·5	..	10·4	5·6	9·7	0·3	0·5	..	1·3	2	28
KIRKCALDY,	11·9	2·3	7·8	7·8	8·1	..	0·3	0·3	0·8	6	111
COATBRIDGE,	23·5	3·5	6·3	12·0	13·7	0·3	0·5	0·5	2·5	5	55
KILMARNOCK,	19·5	3·1	6·7	11·6	10·4	0·3	0·6	0·3	0·9	3	48
HAMILTON,	21·4	2·9	9·3	6·8	9·0	0·3	0·6	0·6	1·6	5	68
AYR,	13·8	8·7	14·7	15·6	12·3	..	0·6	0·6	0·9	3	55
FALKIRK,	17·2	..	9·9	13·7	11·8	..	1·3	1·3	1·0	2	36
DUNFERMLINE,	12·5	5·3	9·2	12·2	9·6	..	0·3	0·3	1·3	2	43
PERTH,	16·2	6·3	9·8	15·9	11·1	..	0·3	0·3	1·3	2	44
TOTAL (SIXTEEN TOWNS)	17·1	4 9	11·1	12·4	11·2	0·2	0·7	0·6	1·2	227	59

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for September 1938, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	Deaths from *Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.	‡Infantile Mortality Rate.	Mean Temperature.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
SEPT. 1938,	**17·1**	**4·9**	**11·1**	**11·2**	**0**	**1**	**6**	**13**	**14**	**5**	**4**	**9**	**59**	**55°·4**
SEPT. 1937,	17·3	5·6	10·6	11·2	0	0	7	14	17	5	3	8	68	54°·0
SEPT. 1936,	17·0	5·8	10·8	11·2	1	6	3	13	11	7	10	6	77	55°·9
SEPT. 1935,	16·2	6·2	10·4	10·6	3	3	2	12	18	12	2	12	56	53°·9
SEPT. 1934,	16·7	6·4	10·7	10·2	2	10	7	13	15	8	3	9	60	55°·4
SEPT. 1933,	16·0	6·6	10·3	10·7	0	0	10	10	16	8	5	13	76	56°·6
SEPT. 1932,	17·9	5·9	9·9	10·8	3	1	13	14	9	15	10	7	66	53°·3
SEPT. 1931,	18·9	6·0	9·5	11·2	6	34	4	7	11	20	12	9	64	52°·2
SEPT. 1930,	19·2	7·0	10·2	11·1	2	5	3	16	24	17	14	21	66	54°·5
SEPT. 1929,	18·2	6·7	9·4	10·6	2	2	1	15	14	9	11	17	71	56°·3
SEPT. 1928,	18·5	6·8	9·2	11·2	1	1	3	31	19	16	9	19	81	52°·8

Figures in columns 5-14 have been corrected for non-resident deaths.
* Including Paratyphoid from 1931.
† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.
‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—September 1938.

Intern'l Short List Nos.	Causes of Death.	Total.	Males.	Females.	Age. -1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over
1	Typhoid Fever (including Paratyphoid)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4	Measles	1	–	1	–	1	–	–	–	–	–	–	–	–	–	–
5	Scarlet Fever	6	2	4	1	1	2	–	1	–	1	–	–	–	–	–
6	Whooping-cough	13	6	7	3	10	–	–	–	–	–	–	–	–	–	–
7	Diphtheria	14	4	10	1	7	5	–	–	–	–	1	–	–	–	–
8	Influenza	5	4	1	–	–	–	–	–	1	–	–	2	2	–	–
14 (1)	Cerebro-spinal Fever	4	4	–	3	1	–	–	–	–	–	–	–	–	–	–
14 (2)	Other Epidemic Diseases (2, 3, 9)*	9	7	2	1	1	–	–	2	1	1	2	–	–	1	–
10	Tuberculosis of Respiratory System	127	70	57	–	–	1	3	37	29	21	19	14	1	1	1
11	Other Tuberculous Diseases	25	12	13	1	4	3	3	6	2	2	3	–	–	1	–
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	11	7	4	4	–	1	–	–	2	–	1	1	2	–	–
15	Cancer, Malignant Disease	334	170	164	–	–	–	–	2	9	20	51	98	99	52	3
18	Diabetes Mellitus	29	6	23	–	–	–	–	–	2	–	–	11	11	4	1
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	45	10	35	2	–	1	3	1	1	7	6	10	12	1	1
22	Cerebral Hæmorrhage, &c.	206	101	105	–	–	–	–	–	3	4	11	45	76	61	6
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	65	36	29	11	2	1	1	1	4	9	17	6	9	4	–
24	Heart Disease	567	286	281	–	–	–	1	12	6	25	53	100	193	150	27
25	Other Circulatory Diseases	49	28	21	–	–	–	–	–	1	2	4	9	14	17	2
26	Bronchitis	59	30	29	3	–	–	1	–	–	3	4	10	22	15	1
27	Pneumonia (all forms)	161	107	54	38	21	–	1	5	3	10	22	24	19	18	–
28	Other Respiratory Diseases	30	11	19	4	–	–	–	–	1	3	4	2	6	6	4
32 (1)	Gastric and Duodenal Ulcer	24	18	6	–	–	–	–	1	1	2	5	8	6	1	–
29	Diarrhœa, &c. (all ages)	43	29	14	31	2	1	–	–	–	1	–	3	3	1	1
30	Appendicitis	13	10	3	–	–	1	–	5	–	–	5	2	–	–	–
31 (1)	Cirrhosis of Liver	8	5	3	–	–	–	–	–	–	–	2	1	5	–	–
31 (2)	Other Diseases of Liver, &c.	16	4	12	–	–	–	–	–	1	–	2	5	5	3	–
32 (2)	Other Digestive Diseases	38	19	19	2	–	1	–	1	3	5	1	8	8	6	3
33	Acute and Chronic Nephritis	63	33	30	–	–	–	–	1	7	5	5	15	17	11	2
34	Other Dis. of Genito-Urinary System	38	30	8	1	–	–	1	–	–	4	2	4	17	7	2
35	Puerperal Sepsis	9	–	9	–	–	–	–	1	5	3	–	–	–	–	–
36	Other Puerperal Causes	14	–	14	–	–	–	–	1	8	5	–	–	–	–	–
37	Diseases of Skin and Locomotor System	12	6	6	1	–	–	–	–	1	1	5	1	1	2	–
38	Congen. Debil., Prem. Birth, Malform., &c.	117	73	44	114	3	–	–	–	–	–	–	–	–	–	–
39	Old Age	61	23	38	–	–	–	–	–	–	–	–	–	10	40	11
40	Suicide	25	16	9	–	–	–	–	1	1	9	5	5	3	1	–
42	Other Violence (41)	84	52	32	5	11	5	3	12	4	10	9	6	6	10	3
43	Causes Ill-defined or Unknown	31	18	13	1	–	1	–	–	1	1	3	9	7	8	–
	All Causes	2356	1237	1119	227	64	23	17	90	97	154	242	399	554	421	68

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—September 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles	1	...	...	...	...	...	...	...	...
5	Scarlet Fever	6	4	...	1	...	...	1	...	...
6	Whooping-cough	13	10	...	...	1	2	...	...	...
7	Diphtheria	14	8	2	...	1	1	...	...	1
8	Influenza...	5	2	...	...	...	...	1	2	...
14 (1)	Cerebro-spinal Fever	4	2	1	...	...	1	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	9	4	2	...	1	...	...	1	...
10	Tuberculosis of Respiratory System ...	127	69	21	5	8	4	2	4	...
11	Other Tuberculous Diseases	25	15	2	1	2	2	...	...	2
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	11	8	1	...	1	...	...	...	1
15	Cancer, Malignant Disease	334	149	59	26	22	17	7	8	7
18	Diabetes Mellitus	29	14	4	3	...	2	1	...	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	45	24	10	...	2	2	...	1	1
22	Cerebral Hæmorrhage, &c.	206	100	25	18	18	3	5	6	6
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	65	30	11	3	3	3	2	3	1
24	Heart Disease	567	252	118	55	29	19	13	13	5
25	Other Circulatory Diseases	49	21	19	...	5	1	...	...	...
26	Bronchitis	59	36	6	4	...	2	1	3	1
27	Pneumonia (all forms)	161	83	20	9	8	4	4	5	4
28	Other Respiratory Diseases	30	3	13	6	...	2	1	1	...
32 (1)	Gastric and Duodenal Ulcer	24	11	5	...	3	3	1	...	...
29	Diarrhœa, &c. (all Ages)	43	23	5	3	3	1	1	...	2
30	Appendicitis	13	2	1	1	3	2	...	1	...
31 (1)	Cirrhosis of Liver	8	2	1	...	1	1	...	...	...
31 (2)	Other Diseases of Liver, &c.	16	6	3	2	4	...	...	1	...
32 (2)	Other Digestive Diseases	38	13	9	1	2	1	...	1	2
33	Acute and Chronic Nephritis	63	13	20	6	11	8	2	...	...
34	Oth. Diseases of Genito-Urinary System	38	10	12	5	1	...	1	1	1
35	Puerperal Sepsis	9	5	2	...	1	...	...	...	...
36	Other Puerperal Causes	14	9	3	...	1	...	...	...	...
37	Dis. of Skin, and of Locomotor System	12	6	2	...	1	...	...	1	1
38	Congenital Debility, Premature Birth, Malformations, &c.	117	46	20	6	11	9	7	2	...
39	Old Age	61	27	6	5	3	1	3	...	...
40	Suicide	25	8	6	2	2	2	1	1	...
42	Other Violence (41)	84	40	12	9	6	2	2	2	2
43	Causes Ill-defined or Unknown ...	31	17	1	3	1	2	1	1	...
	All Causes ...	2356	1072	422	174	155	97	57	58	38
	AGE AT DEATH.									
	Under 1	227	117	29	9	18	11	10	3	2
	1– 4	64	34	5	6	4	3	3	...	1
	5– 9	23	12	2	2	4	...	1	1	...
	10–14	17	9	1	...	1	1	...	1	...
	15–24	90	55	7	2	3	3	2	4	...
	25–34	97	41	20	6	4	6	1	4	1
	35–44	154	64	34	11	9	9	3	3	4
	45–54	242	118	38	13	14	10	4	7	5
	55–64	399	190	71	23	29	19	10	9	9
	65–74	554	246	100	57	30	17	6	14	15
	75–84	421	166	94	40	33	15	16	12	1
	85 and over	68	20	21	5	6	3	1	...	...
	Not stated	...	...	...	...	...	...	...	...	...
	All Ages ...	2356	1072	422	174	155	97	57	58	38

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—September 1938—*continued.*

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	...	...	1	...	...	...	...	...
5	Scarlet Fever	...	...	...	...	...	...	...	...
6	Whooping-cough	...	...	...	...	...	...	...	...
7	Diphtheria	...	...	...	1	...	...	...	...
8	Influenza...	...	...	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	...	1	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	1	2	1	2	2	4	1	1
11	Other Tuberculous Diseases	...	...	1	...	...	...	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	6	5	6	3	5	3	4	7
18	Diabetes Mellitus	...	1	...	...	3	...	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	...	2	1	...	...	2	...	...
22	Cerebral Hæmorrhage, &c.	2	3	3	1	8	2	3	3
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	2	...	...	...	4	1	2
24	Heart Disease	6	13	8	5	10	8	8	5
25	Other Circulatory Diseases	...	...	...	...	2	1	...	...
26	Bronchitis	1	1	1	1	...	...	1	1
27	Pneumonia (all forms)	1	8	2	4	3	2	2	2
28	Other Respiratory Diseases	1	...	...	...	...	1	1	1
32 (1)	Gastric and Duodenal Ulcer	...	...	1	...	...	...	...	...
29	Diarrhœa, &c. (all Ages)	...	1	...	2	2	...	...	...
30	Appendicitis	1	...	...	...	...	2	...	...
31 (1)	Cirrhosis of Liver	...	...	1	1	1	...	...	...
31 (2)	Other Diseases of Liver, &c.	...	...	...	...	...	...	...	...
32 (2)	Other Digestive Diseases	3	...	2	...	...	1	...	3
33	Acute and Chronic Nephritis	...	...	...	...	...	...	2	1
34	Oth. Diseases of Genito-Urinary System	1	2	...	2	...	...	1	1
35	Puerperal Sepsis	...	...	...	...	...	...	...	1
36	Other Puerperal Causes	...	...	1	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	...	...	...	...	...	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	3	3	2	2	1	1	2	2
39	Old Age	4	...	2	1	4	4	...	1
40	Suicide	...	1	...	...	...	...	...	2
42	Other Violence (41)	...	4	...	2	...	1	2	...
43	Causes Ill-defined or Unknown ...	...	1	1	2	...	...	1	...
	All Causes ...	30	50	34	29	41	37	29	33
	AGE AT DEATH.								
	Under 1	6	5	3	5	3	2	2	2
	1– 4	1	4	1	1	...	...	...	1
	5– 9	...	...	1	...	...	...	...	...
	10–14	...	2	1	...	...	1	...	...
	15–24	1	4	2	2	1	1	...	3
	25–34	1	1	1	1	2	3	2	3
	35–44	2	3	1	...	...	4	3	4
	45–54	2	4	4	6	4	8	3	2
	55–64	3	7	5	4	5	3	4	8
	65–74	7	15	7	7	14	8	8	3
	75–84	4	4	5	2	12	7	5	5
	85 and over	3	1	3	1	...	...	2	2
	Not stated	...	...	...	...	...	...	...	...
	All Ages ...	30	50	34	29	41	37	29	33

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of September 1938.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†		AIR TEMPERATURE. Mean of Maximum (A.)	Mean of Minimum (B.)	Mean of A and B (Mean Temperature).	Difference from Average.	Absolute Maximum and Minimum. Maximum.	Day of Month.	Minimum.	Day of Month.	HYGROMETER.* Mean of Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Difference from Average.	BRIGHT SUNSHINE. Hours per Day. Daily Mean.	Difference from Average.	Per Cent. of Possible.
	feet.	Mb.	inches.	°F.	°F.	°F.	°F.	°F.		°F.		°F.	°F.	Mb.	%		inch.	inch.			
GLASGOW, Abbotsinch Aerodrome (The Meteorological Office).	19	1013·5	29·930	62·0	48·7	55·3	+2·3	69	8*th*	35	2*nd*	54·6	2·1	12·7	87	19	3·04	+0·44	3·22	−0·71	25
EDINBURGH, The Astronomer Royal for Scotland, Royal Observatory.	441	1014·1	29·946	61·6	49·8	55·7	+2·3	69	12*th*	41	15*th*	54·4	2·5	12·1	84	19	2·15	+0·10	3·53	−0·86	28
DUNDEE, The Director of Studies, Training College.	147	1013·6	29·933	62·2	47·5	54·9	+1·6	74	12*th*	39	15*th*	56·1	2·2	13·3	86	17	3·24	+1·24	3·56	−0·53	28
ABERDEEN, The Meteorological Office.	79	1013·4	29·926	59·6	48·8	54·2	+1·7	75	12*th*	39	30*th*	54·1	2·1	12·3	87	17	3·60	+1·38	3·82	−0·39	30
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1013·9	29·940	62·3	50·4	56·3	+2·0	73	8*th*	41	2, 15	55·7	2·3	12·9	85	19	3·09	+0·68	3·21	−0·75	25
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1014·2	29·948	61·4	51·0	56·2	+2·5	67	8*th*	42	15*th*	54·9	2·2	12·5	85	18	5·03	+0·54	3·40	..	27
KIRKCALDY, The Medical Officer of Health.	137	..	..	61·9	47·9	54·9	+0·4	70	12*th*	39	15*th*	55·4	1·9	13·1	87	17	3·03	..	2·99	..	24
KILMARNOCK, W. DUNBAR, C.E.	132	..	..	62·9	48·4	55·7	+2·0	71	8*th*	33	2*nd*	56·0	1·9	13·5	87	21	4·16	+1·10	3·23	−0·80	25
AYR, The Medical Officer of Health.	43	..	..	62·6	49·0	55·8	..	67	27, 28	42	1*st*	55·5	1·7	13·3	89	18	3·27	..	3·23	..	25
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	61·2	48·7	54·9	..	71	8*th*	37	15*th*	55·5	2·3	12·9	85	18	2·96	..	2·64	..	21
PERTH, J. RITCHIE, The Museum.	76	1014·4	29·956	64·0	47·0	55·5	+2·2	76	8*th*	35	2, 15	53·3	1·3	12·7	91	17	3·40	+1·17	3·37	−0·95	27
Means . .	147	1013·9	29·940	62·0	48·8	55·4	+1·9	..	..	..	..	55·0	2·0	12·8	87	18	3·36	+0·76	3·29	−0·71	26

North Latitude.—Glasgow, 55° 52′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Greenock, 55° 56′; Perth, 56° 24′; Mean, 56° 14′.
West Longitude.—Glasgow, 4° 17′; Edinburgh, 3° 11′; Dundee, 2° 56′; Aberdeen, 2° 6′; Paisley, 4° 26′; Greenock, 4° 46′; Perth, 3° 27′; Mean, 3° 36′.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.

† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars=29·531 mercury inches) and inches.

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The Royal Statistical Institute

FOR OFFICIAL USE

MONTHLY RETURN OF THE REGISTRAR-GENERAL

Scotland

BIRTHS, DEATHS AND MARRIAGES

Registered in sixteen of the Principal Towns

October, 1938

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of October 1938 the births (corrected for transfer to place of usual residence) of 3,735 living children, of whom 1,878 were males and 1,857 were females. Compared with the number in the previous month the total births were 138 more, male births being 29 fewer and female births 167 more. The monthly birth-rate in these towns taken collectively was 17·2 per thousand. This rate is 0·1 more than that for the previous month but is 0·3 below the five years' average.

In the individual towns the monthly birth-rate ranged from 24·0 in Greenock, 19·5 in Hamilton and 19·2 in Kilmarnock, to 15·1 in Paisley, 14·2 in Ayr and 13·7 in Dunfermline. In Glasgow the rate was 18·4, in Falkirk 17·6, in Clydebank 17·5, in Coatbridge 17·2, in Motherwell and Wishaw, in Kirkcaldy and in Perth 15·7, in Aberdeen 15·5, and in Edinburgh and in Dundee 15·4.

Of the 3,735 living children whose births were registered during the month, 3,553 or 95·0 per cent. were legitimate, while 182 or 5·0 per cent. were illegitimate. The legitimate children numbered 134 more than in the previous month and the illegitimate children 4 more. The illegitimate percentage for the month is 0·1 above that for the previous month. In the individual towns it ranged from 8·2 in Perth, 6·3 in Edinburgh and 6·0 in Kilmarnock, to 1·7 in Falkirk, 1·5 in Coatbridge and 0 in Clydebank. In Glasgow the rate was 5·2.

Marriages.—Marriages registered during the month numbered 1,893 and are 447 fewer than in the previous month. The marriage-rate, 8·7 per thousand, is 2·4 below that for the previous month but 0·6 above the average. In the individual towns it ranged from 15·7 in Perth, 9·8 in Aberdeen and 9·7 in Kirkcaldy and in Kilmarnock, to 6·7 in Dunfermline, 4·4 in Clydebank and 4·0 in Coatbridge. In Glasgow the rate was 9·0 and in Edinburgh 8·7. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.—Deaths (corrected for transfer) in the Sixteen Towns during the month numbered 2,516, of which 1,302 were of males and 1,214 were of females. This number is 160 more than in the previous month, males being 65 more and females 95 more.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.

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The monthly death-rate in these towns taken collectively was 11·6 per thousand, being 0·4 above that for the previous month but 0·2 below the average. In the towns taken individually the death-rate ranged from 15·9 in Kilmarnock, 14·8 in Coatbridge and 12·3 in Paisley, to 9·1 in Clydebank, 8·9 in Kirkcaldy and 6·9 in Hamilton. In Edinburgh and in Aberdeen the rate was 12·0, in Dundee 11·9, in Glasgow and in Greenock 11·6, in Motherwell and Wishaw and in Falkirk 10·5, in Ayr 10·4, in Dunfermline 10·2 and in Perth 10·1.

Deaths of children aged less than one year numbered 257, and equalled an infantile mortality rate of 64 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. These deaths are 30 more than in the previous month, while the rate is 5 more than in that month but 15 below the average. It is the lowest rate hitherto recorded in these Reports for the month of October. In the individual towns this rate ranged from 104 in Kilmarnock, 99 in Greenock and 91 in Ayr, to 35 in Motherwell and Wishaw and in Kirkcaldy, 33 in Coatbridge and 27 in Clydebank. In Paisley it was 88, in Hamilton 78, in Aberdeen 75, in Dundee 67, in Dunfermline 65, in Glasgow 64, in Edinburgh 58, in Falkirk 52 and in Perth 43.

Causes of Death.—Deaths from the principal epidemic diseases numbered 50 and equalled a death-rate of 0·2 per thousand. These deaths are 2 fewer than in the previous month but the rate is the same. They include 2 from typhoid fever, none from measles, 1 from scarlet fever, 9 from whooping-cough, 23 from diphtheria, 5 from influenza, 3 from cerebro-spinal fever, and 7 from other epidemic diseases, 3 of which were ascribed to erysipelas, 2 to acute poliomyelitis and 2 to lethargic encephalitis. Compared with the number in the previous month deaths from typhoid fever are 2 more, from scarlet fever 5 fewer, from whooping-cough 4 fewer, from diphtheria 9 more, from influenza the same, from cerebro-spinal fever 1 fewer and from other epidemic diseases 2 fewer. In the previous month 1 death was registered from measles.

Deaths attributed to respiratory diseases exclusive of those associated with tuberculosis and with influenza numbered 251 and equalled a death-rate of 1·2 per thousand. Compared with the number in the previous month these deaths are 1 more, while the rate is the same but is 0·2 below the average.

Deaths from all forms of tuberculosis numbered 154, of which 125 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 2 more, but those from respiratory tuberculosis 2 fewer. Compared with the average the former are 2 more and the latter 9 more.

METEOROLOGICAL NOTES
supplied by the Meteorological Office, Edinburgh.

OCTOBER 1938.

Mean barometric pressure, 29·635 inches; less than the average* by 0·242 in.
Mean temperature, 49·7° F.; greater by 1·4° F.
Mean daily range of temperature, 10·7° F.; less by 0·6° F.
Mean daily sunshine, 2·83 hours; greater by 0·15 hour.
Rain, depth in inches, 6·60; greater by 3·51 inches.
Wind, direction of: a six days' excess of south-westerly winds.

Deep depressions passed across the British Isles during the first part of the month and very stormy weather was experienced generally. The gales of the 3rd and 4th were particularly severe, causing extensive damage in many places with, unhappily, loss of life both on land and at sea. The wind attained a mean speed of 54 miles per hour at the Bell Rock during the height of the gale of the 3rd/4th with gusts up to 72 miles per hour. Gusts of 65 and 63 miles per hour were registered at Kirkwall and Stornoway respectively. Almost equally strong winds were reported on the 6th and 7th, and in this period gusts up to 64 miles per hour occurred in Edinburgh, while at Lerwick a gust of 74 miles per hour was regis-

* The averages or normals in the case of pressure and rainfall refer to the period 1881–1915 and in the case of temperature and sunshine to the period 1906–35.

tered. Conditions remained unsettled with some exceptionally heavy rainfalls in the west and north. Quieter conditions prevailed during the latter half of the month in the south and east, but there were further south-westerly gales from the 29th to 31st, with gusts up to 63 miles per hour at Stornoway and in Edinburgh. The extremes of pressure in Edinburgh were 30·19 inches on the 20th and 28·44 inches on the 4th.

Mean temperatures were everywhere above normal, the excess varying from rather less than a degree at some stations in the Clyde area and along the east coast to more than 3° F. in Orkney and Shetland. The warmest day in all parts of Scotland was the 13th, when shade temperatures rose to 67° F. at Dunbar and in Edinburgh (Liberton); 66° F. was registered at other stations in the Edinburgh district, and this figure was reached at Cardross on the 13th and 14th and at Stirling on the 18th. The coldest weather occurred around the 28th/29th, when slight frosts were registered by screened thermometers in many places. The lowest values reported were 26° F. at Braemar and Logie Coldstone, 27° F. at Balmoral and 29° F. at Glenlee (Kirkcudbright), all on the 29th; 29° F. was also recorded at Wolfelee on the 28th. Ground frosts occurred at one place or other on 14 nights. They were most frequent at Craibstone and Balmoral, where they were registered on 9 and 8 nights respectively. The lowest ground temperatures reported were 21° F. at Braemar, 23° F. at Balmoral and 24° F. at Peebles, all on the 29th.

In many parts of Scotland sunshine totals approximated to the normal. The normal was exceeded, though only by small amounts in most places, in the east, while rather less than the normal sunshine occurred in the west and south. The largest aggregates were 120 hours at Lossiemouth, 118 hours at Forres, 117 hours at Arbroath and 116 hours at Gordon Castle. Less than 60 hours were registered at some places in the west and extreme north. Fort William had a meagre 42 hours and Onich only 51 hours.

The month was one of excessive rainfall over almost the whole of Scotland. Only along the coast of Aberdeenshire did precipitation fail to reach the average. At many places in the west and south-west rain fell on every day except the 1st and wide areas had considerably more than twice the normal. Totals in excess of 20 inches were numerous, and at Kinlochquoich and Loan they were 24·37 and 23·40 inches respectively. Over the country as a whole it was the wettest month since January 1928. Daily falls exceeding an inch occurred in all districts and with unusual frequency, especially in the first week. At Inveraray and also at Kinlochquoich more than an inch of rain fell on 13 days. The wettest day was the 3rd, when the heaviest falls reported were 3·35 inches at Glenbranter, 2·80 inches at Kinlochquoich and 2·75 inches at Loch Eck (Ben More). Other outstanding heavy falls were 2·10 inches at Kinlochquoich on the 2nd; 2·20 inches at Lochgoilhead on the 4th; 2·10 inches at Kinlochquoich on the 6th; 3·20 inches at Kinlochquoich and 2·21 inches at Glenquoich on the 13th; 3·45 inches at Glenquey Reservoir and 2·57 inches at Backhill, both in Glen Devon, on the 16th; 1·63 inches at West Hopes (East Lothian) on the 26th, and 1·76 inches at Dunvegan (Skye) on the 31st.

Hail was reported locally, mainly in the west and north, on 17 days.

Snow fell generally on high ground during a burst of northerly winds on the 26th. The phenomenon was also reported locally on 12 other days.

Fog was reported locally on 17 days and was most frequent at Greenock, where it occurred on 10 days. It was fairly widespread in the south and central districts on the 23rd.

Gales were unusually frequent, being reported on 25 days, and were often of great severity, especially in the extreme north. Lerwick experienced gales on 13 days. The worst were those of 3rd–4th, 6th–7th and 29th–31st.

Thunderstorms occurred at one place or other on 11 days. On the 7th storms were experienced over practically the whole of the southern half of the country, though they do not appear to have been severe in character.

Aurora was observed on 17 nights. The displays on the 7th, 16th, 25th, 26th and 28th were seen in many places and in each case as far south as Eskdalemuir.

Note.—The mean values refer to those of the Principal Towns named in Meteorological Table on p. 80.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, October 1938.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
									REGISTERED			TRANSFERS (Both Sexes.)		
	Census 1931.	Estimated to middle of 1938. (Provisional.)	Both Sexes.	Males.	Females.	Legitimate.	Illegitimate.		Both Sexes.	Males.	Females.	Out.	In.	Corrected for Transfers (Both Sexes.)
GLASGOW,	1,093,337	1,126,000	1757	867	890	1667	90	865	1212	668	544	150	43	1105
EDINBURGH,	439,010	469,700	615	310	305	578	37	349	577	281	296	114	14	477
DUNDEE,	175,681	177,600	233	133	100	221	12	127	188	84	104	20	12	180
ABERDEEN,	169,803	178,200	235	110	125	226	9	149	215	114	101	43	10	182
PAISLEY,	86,445	91,100	117	67	50	112	5	54	96	45	51	13	12	95
GREENOCK,	79,012	81,100	165	78	87	157	8	53	88	51	37	10	2	80
MOTHERWELL AND WISHAW,	65,611	67,500	90	48	42	87	3	44	46	23	23	3	17	60
CLYDEBANK,	46,991	47,800	71	33	38	71	0	18	24	11	13	0	13	37
KIRKCALDY,	43,874	45,000	60	30	30	57	3	37	31	18	13	3	6	34
COATBRIDGE,	43,312	44,500	65	29	36	64	1	15	45	30	15	1	12	56
KILMARNOCK,	38,681	39,900	65	32	33	61	4	33	54	31	23	7	7	54
HAMILTON,	38,112	39,100	65	37	28	62	3	24	18	14	4	0	5	23
AYR,	38,905	40,700	49	29	20	48	1	31	57	24	33	24	3	36
FALKIRK,	36,566	38,200	57	33	24	56	1	25	45	23	22	13	2	34
DUNFERMLINE,	35,058	36,900	43	22	21	41	2	21	43	17	26	13	2	32
PERTH,	35,051	36,100	48	20	28	45	3	48	48	24	24	19	2	31
TOTAL (SIXTEEN TOWNS)	2,465,449	2,559,400	3735	1878	1857	3553	182	1893	2787	1458	1329	433	162	2516

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, October 1938.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW,	18·4	5·2	9·0	12·7	11·6	0·3	0·9	0·7	1·2	119	64
EDINBURGH,	15·4	6·3	8·7	14·5	12·0	0·1	0·6	0·5	1·2	37	58
DUNDEE,	15·4	5·2	8·4	12·5	11·9	0·1	0·7	0·5	1·3	18	67
ABERDEEN,	15·5	3·8	9·8	14·2	12·0	0·2	0·5	0·3	0·9	19	75
PAISLEY,	15·1	4·3	7·0	12·4	12·3	0·5	0·6	0·6	1·3	13	88
GREENOCK,	24·0	4·8	7·7	12·8	11·6	..	1·3	1·2	1·6	14	99
MOTHERWELL AND WISHAW,	15·7	3·3	7·7	8·0	10·5	0·2	0·3	0·2	1·6	4	35
CLYDEBANK,	17·5	..	4·4	5·9	9·1	..	0·5	0·2	1·5	2	27
KIRKCALDY,	15·7	4·9	9·7	8·1	8·9	..	0·3	0·3	..	2	35
COATBRIDGE,	17·2	1·5	4·0	11·9	14·8	..	1·6	1·6	1·9	3	33
KILMARNOCK,	19·2	6·0	9·7	15·9	15·9	..	0·9	0·3	1·2	7	104
HAMILTON,	19·5	4·5	7·2	5·4	6·9	0·6	..	..	2·1	6	78
AYR,	14·2	2·0	9·0	16·5	10·4	1·2	0·3	0·3	0·3	5	91
FALKIRK,	17·6	1·7	7·7	13·9	10·5	..	..	..	0·3	3	52
DUNFERMLINE,	13·7	4·7	6·7	13·7	10·2	..	0·3	..	0·6	3	65
PERTH,	15·7	8·2	15·7	15·7	10·1	..	..	..	0·7	2	43
TOTAL (SIXTEEN TOWNS)	17·2	5·0	8·7	12·8	11·6	0·2	0·7	0·6	1·2	257	64

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for October 1938, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM *Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.	‡Infantile Mortality Rate.	Mean Temperature.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
OCT. 1938, .	**17·2**	**5·0**	**8·7**	**11·6**	**2**	**0**	**1**	**9**	**23**	**5**	**3**	**7**	**64**	**49°·7**
OCT. 1937, .	16·8	5·9	7·3	11·3	0	3	3	3	22	19	4	16	73	48°·5
OCT. 1936, .	17·7	5·9	7·5	12·6	2	5	5	19	20	14	7	15	90	48°·6
OCT. 1935, .	18·3	6·2	8·8	11·7	1	7	6	3	12	20	6	13	76	47°·4
OCT. 1934, .	18·2	6·2	8·7	11·5	1	8	9	17	23	8	7	10	77	48°·6
OCT. 1933, .	16·4	5·7	8·3	11·7	5	0	16	7	20	14	6	15	81	49°·5
OCT. 1932, .	17·8	6·3	7·6	11·8	0	1	12	9	12	19	11	12	74	46°·0
OCT. 1931, .	19·9	5·7	6·7	11·3	2	70	5	10	12	17	9	16	71	47°·8
OCT. 1930, .	20·5	6·4	7·2	11·7	0	5	6	17	21	16	9	19	74	48°·8
OCT. 1929, .	19·2	7·2	8·1	13·0	0	7	3	8	35	22	13	10	84	47°·2
OCT. 1928, .	21·1	5·9	8·1	13·1	0	2	3	13	16	45	6	14	82	48°·0

Figures in columns 5-14 have been corrected for non-resident deaths.
* Including Paratyphoid from 1931.
† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.
‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—October 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age. -1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over
1	Typhoid Fever (including Paratyphoid) –	2	1	1	–	–	–	–	–	1	–	–	–	1	–	–
4	Measles – – – – – –	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5	Scarlet Fever – – – – –	1	–	1	–	1	–	–	–	–	–	–	–	–	–	–
6	Whooping-cough – – – – –	9	7	2	3	6	–	–	–	–	–	–	–	–	–	–
7	Diphtheria – – – – – –	23	11	12	–	11	8	3	–	1	–	–	–	–	–	–
8	Influenza – – – – – –	5	2	3	1	1	–	–	–	–	1	–	1	1		–
14 (1)	Cerebro-spinal Fever – – – –	3	2	1	2	–	–	–	–	–	1	–	–	–	–	–
14 (2)	Other Epidemic Diseases (2, 3, 9)* – –	7	3	4	–	–	2	–	–	–	–	2	1	2	–	–
10	Tuberculosis of Respiratory System –	125	67	58	–	3	1	4	30	31	23	16	12	4	1	
11	Other Tuberculous Diseases – – –	29	16	13	1	6	3	3	7	1	3	3	1	–	1	–
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	10	7	3	2	–	–	–	1	1	2	1	2	1	–	–
15	Cancer, Malignant Disease – – –	357	158	199	–	–	–	1	2	6	26	60	101	103	51	7
18	Diabetes Mellitus – – – – – –	33	11	22	–	–	–	1	–	1	3	3	6	15	4	–
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	68	28	40	3	1	2	3	7	4	6	8	15	13	5	1
22	Cerebral Hæmorrhage, &c. – – –	222	102	120	–	–	–	–	–	–	4	14	40	85	69	10
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	72	39	33	10	5	2	1	4	4	7	14	17	5	2	1
24	Heart Disease – – – – –	558	284	274	–	1	–	1	9	14	20	56	116	161	150	30
25	Other Circulatory Diseases – – –	45	25	20	–	–	–	–	–	2	–	4	9	14	11	5
26	Bronchitis – – – – – –	90	48	42	9	1	1	1	–	–	5	8	13	22	23	7
27	Pneumonia (all forms) – – – –	134	86	48	45	16	–	2	3	3	10	13	15	15	10	2
28	Other Respiratory Diseases – – –	27	14	13	2	1	–	–	–	–	4	4	1	3	11	1
32 (1)	Gastric and Duodenal Ulcer – – –	33	26	7	–	–	–	–	–	1	6	8	10	3	4	1
29	Diarrhœa, &c. (all ages) – – –	67	39	28	48	8	–	–	1	2	–	2	3	2	–	1
30	Appendicitis – – – – – –	24	16	8	–	–	2	1	3	2	2	7	3	3	1	–
31 (1)	Cirrhosis of Liver – – – – –	8	7	1	–	–	–	–	–	–	–	–	5	3	–	–
31 (2)	Other Diseases of Liver, &c. – – –	16	6	10	–	–	–	–	–	–	1	1	6	8	–	–
32 (2)	Other Digestive Diseases – – –	41	21	20	2	2	–	–	1	–	2	6	9	12	4	3
33	Acute and Chronic Nephritis – –	70	44	26	1	1	–	–	1	4	6	14	20	17	6	–
34	Other Dis. of Genito-Urinary System –	42	34	8	4	–	–	–	2	1	1	1	5	10	15	3
35	Puerperal Sepsis – – – – –	7	–	7	–	–	–	–	1	3	3	–	–	–	–	–
36	Other Puerperal Causes – – –	16	–	16	–	–	–	–	5	8	3	–	–	–	–	–
37	Diseases of Skin and Locomotor System –	14	7	7	1	1	1	3	1	1	1	2	–	1	1	1
38	Congen. Debil., Prem. Birth, Malform., &c.	118	58	60	17	1	–	–	–	–	–	–	–	–	–	–
39	Old Age – – – – – – –	80	33	47	–	–	–	–	–	–	–	–	–	6	49	25
40	Suicide – – – – – – –	15	8	7	–	–	–	–	–	6	2	1	5	–	1	–
42	Other Violence (41) – – – – –	111	72	39	5	15	6	1	5	19	14	7	15	11	11	2
43	Causes Ill-defined or Unknown – –	34	20	14	1	–	–	1	–	1	–	5	13	8	4	1
	ALL CAUSES – –	2516	1302	1214	257	81	28	26	83	117	156	260	444	529	434	101

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—October 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	2	1	1	...	...	...	...	...	...
4	Measles	...	...	...	...	...	...	...	...	...
5	Scarlet Fever	1	...	...	...	...	1	...	...	...
6	Whooping-cough	9	8	...	...	...	...	...	1	...
7	Diphtheria	23	14	1	1	1	3	...	...	...
8	Influenza...	5	1	...	1	...	...	...	...	...
14 (1)	Cerebro-spinal Fever	3	2	1	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	7	3	2	...	2	...	...	...	...
10	Tuberculosis of Respiratory System ...	125	69	20	7	5	5	8	1	1
11	Other Tuberculous Diseases	29	13	4	3	3	...	1	1	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	10	2	2	2	1	...	2	...	...
15	Cancer, Malignant Disease	357	157	73	27	21	17	7	12	8
18	Diabetes Mellitus	33	9	7	5	4	1	1	1	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	68	28	14	5	8	1	3	1	1
22	Cerebral Hæmorrhage, &c.	222	90	44	18	17	6	5	2	3
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	72	25	13	7	5	2	2	3	1
24	Heart Disease	558	243	110	42	42	23	14	15	6
25	Other Circulatory Diseases	45	22	11	1	5	1	...	2	...
26	Bronchitis	90	37	14	4	6	3	8	5	1
27	Pneumonia (all forms)	134	70	23	9	8	7	3	2	4
28	Other Respiratory Diseases	27	4	9	7	...	...	...	2	1
32 (1)	Gastric and Duodenal Ulcer	33	14	9	3	3	1	1	...	...
29	Diarrhœa, &c. (all Ages)	67	38	4	1	5	4	4	2	2
30	Appendicitis	24	12	4	1	4	...	...	...	...
31 (1)	Cirrhosis of Liver	8	2	3	1	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	16	6	2	...	3	1	...	...	1
32 (2)	Other Digestive Diseases	41	17	14	...	3	...	...	...	...
33	Acute and Chronic Nephritis	70	26	19	3	5	2	2	2	2
34	Oth. Diseases of Genito-Urinary System	42	20	11	...	4	...	1	2	...
35	Puerperal Sepsis	7	4	1	2	...	...	...	...	...
36	Other Puerperal Causes	16	9	1	...	2	1	1	...	...
37	Dis. of Skin, and of Locomotor System	14	8	4	2	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	118	49	21	10	7	7	7	1	...
39	Old Age	80	28	9	8	4	4	6	1	2
40	Suicide	15	4	7	2	...	...	...	...	...
42	Other Violence (41)	111	46	18	8	12	5	4	3	3
43	Causes Ill-defined or Unknown ...	34	24	1	...	2	...	...	1	...
	All Causes ...	2516	1105	477	180	182	95	80	60	37
	AGE AT DEATH.									
	Under 1	257	119	37	18	19	13	14	4	2
	1– 4	81	46	6	7	5	5	5	1	...
	5– 9	28	19	3	2	2	1	...	...	...
	10–14	26	18	2	1	2	...	...	...	1
	15–24	83	38	15	4	4	1	5	5	2
	25–34	117	53	23	9	4	4	8	4	2
	35–44	156	73	21	13	11	7	3	3	5
	45–54	260	130	45	17	21	3	4	6	1
	55–64	444	196	88	22	35	18	10	12	9
	65–74	529	214	112	36	40	24	14	12	7
	75–84	434	167	104	39	27	18	13	12	7
	85 and over	101	32	21	12	12	1	4	1	1
	Not stated	...	...	...	...	...	...	...	...	...
	All Ages ...	2516	1105	477	180	182	95	80	60	37

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—October 1938—*continued.*

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	...	...	...	...	...	...	...	...
5	Scarlet Fever	...	...	...	...	...	...	...	...
6	Whooping-cough	...	...	...	...	...	...	...	...
7	Diphtheria	...	...	...	...	3	...	...	...
8	Influenza...	...	...	...	2	1	...	...	...
14 (1)	Cerebro-spinal Fever	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	1	6	1	...	1	...	...	...
11	Other Tuberculous Diseases	...	...	2	...	...	...	1	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	1	...
15	Cancer, Malignant Disease	5	4	10	...	4	5	4	3
18	Diabetes Mellitus	1	2	...	...	...	1	1	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	...	...	1	...	2	1	2	1
22	Cerebral Hæmorrhage, &c.	7	6	4	...	5	3	6	6
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	2	2	4	2	...	4	...	...
24	Heart Disease	9	14	8	4	7	8	4	9
25	Other Circulatory Diseases	...	...	2	...	...	1	...	...
26	Bronchitis	...	3	2	6	...	...	1	...
27	Pneumonia (all forms)	...	2	2	1	1	...	1	1
28	Other Respiratory Diseases	...	2	...	...	...	1	...	1
32 (1)	Gastric and Duodenal Ulcer	...	...	1	...	...	...	1	...
29	Diarrhœa, &c. (all Ages)	2	2	...	2	...	1	...	...
30	Appendicitis	...	...	1	1	...	...	1	...
31 (1)	Cirrhosis of Liver	...	1	...	1	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	...	...	...	...	1	...	...	2
32 (2)	Other Digestive Diseases	1	2	2	...	...	...	1	1
33	Acute and Chronic Nephritis	...	1	1	1	3	...	1	2
34	Oth. Diseases of Genito-Urinary System	1	...	1	...	1	1	...	...
35	Puerperal Sepsis	...	...	...	...	...	...	...	...
36	Other Puerperal Causes	...	...	1	...	...	...	...	1
37	Dis. of Skin, and of Locomotor System	...	...	...	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	1	...	7	1	2	2	1	2
39	Old Age	2	3	2	...	4	3	4	...
40	Suicide	...	...	...	...	...	1	1	...
42	Other Violence (41)	1	3	2	2	1	1	1	1
43	Causes Ill-defined or Unknown ...	1	3	...	...	...	1	...	1
	All Causes ...	34	56	54	23	36	34	32	31
	AGE AT DEATH.								
	Under 1	2	3	7	6	5	3	3	2
	1– 4	...	...	2	2	1	...	1	...
	5– 9	...	...	...	...	1	...	...	...
	10–14	...	1	...	...	1	...	...	...
	15–24	1	4	...	1	1	...	1	1
	25–34	1	2	2	1	1	2	1	...
	35–44	1	4	4	1	4	...	3	3
	45–54	6	4	9	2	2	4	2	4
	55–64	7	10	9	4	4	5	7	8
	65–74	9	17	10	5	8	10	3	8
	75–84	5	9	8	1	6	5	9	4
	85 and over	2	2	3	...	2	5	2	1
	Not stated	...	...	...	...	...	...	...	...
	All Ages ...	34	56	54	23	36	34	32	31

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of October 1938.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†		AIR TEMPERATURE. Mean of Maximum (A.)	Mean of Minimum (B.)	Mean of A and B (Mean Temperature).	Difference from Average.	Absolute Maximum and Minimum. Maximum.	Day of Month.	Minimum.	Day of Month.	HYGROMETER.* Mean of Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Difference from Average.	BRIGHT SUNSHINE. Hours per Day. Daily Mean.	Difference from Average.	Per Cent. of Possible.
	feet.	Mb.	inches.	°F.	°F.	°F.	F.	°F.		°F.		°F.	°F.	Mb.	%		inch.	inch.			
GLASGOW, Abbotsinch Aerodrome (The Meteorological Office).	19	1004·1	29·653	54·6	44·4	49·5	+1·8	64	13*th*	31	29*th*	48·7	1·7	10·3	87	28	8·22	+4·79	2·58	+0·05	25
EDINBURGH, The Astronomer Royal for Scotland, Royal Observatory.	441	1004·0	29·650	51·1	44·3	49·2	+1·2	66	13*th*	38	26, 27	48·1	2·5	9·3	81	26	4·50	+1·76	3·31	+0·10	32
DUNDEE, The Director of Studies, Training College.	147	1002·5	29·603	55·2	41·9	48·5	+1·2	63	13*th*	34	28*th*	49·4	2·0	10·3	86	21	4·00	+1·40	3·62	+0·48	35
ABERDEEN, The Meteorological Office.	79	1002·1	29·593	54·1	44·0	49·1	+1·4	62	13*th*	35	28*th*	48·3	2·4	9·4	83	20	2·96	−0·04	3·55	+0·51	34
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1004·1	29·653	54·8	45·4	50·1	+1·5	64	1*st*	38	29*th*	49·8	2·1	10·3	85	27	7·88	+4·14	2·66	+0·21	26
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1004·6	29·665	53·9	45·7	49·8	+1·4	61	1, 13	41	27, 28, 29	49·1	2·2	9·9	83	27	11·72	+6·64	2·33	..	22
KIRKCALDY, The Medical Officer of Health.	137	..	..	54·9	44·3	49·6	+0·9	64	13*th*	35	26, 28	49·4	2·4	10·0	83	23	4·93	..	3·19	..	31
KILMARNOCK, W. DUNBAR, C.E.	132	..	..	55·0	44·6	49·8	+1·5	63	1, 13	33	29*th*	50·0	1·8	10·7	87	28	10·37	+6·86	2·44	−0·11	23
AYR, The Medical Officer of Health.	43	..	..	58·5	45·3	51·9	..	63	20*th*	40	28*th*	51·3	0·5	12·5	97	24	7·14	..	2·24	..	22
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	54·5	44·2	49·3	..	64	2, 13	36	26, 28	49·2	2·0	10·2	86	26	5·40	..	2·49	..	24
PERTH, J. RITCHIE, The Museum.	76	1003·9	29·629	55·3	43·3	49·3	+1·8	62	1, 13	33	28*th*	48·5	1·6	10·2	88	21	5·47	+2·52	2·71	−0·19	26
Means . .	147	1003·6	29·635	55·0	44·3	49·7	+1·4	..	..	..	..	49·3	1·9	10·3	86	25	6·60	+3·51	2·83	+0·15	27

North Latitude.—Glasgow, 55° 52′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Greenock, 55° 56′; Perth, 56° 24′; Mean, 56° 14′.
West Longitude.—Glasgow, 4° 17′; Edinburgh, 3° 11′; Dundee, 2° 56′; Aberdeen, 2° 6′; Paisley, 4° 26′; Greenock, 4° 46′; Perth, 3° 27′; Mean, 3° 36′.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.

† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars=29·531 mercury inches) and inches.

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FOR OFFICIAL USE

MONTHLY RETURN OF THE REGISTRAR-GENERAL

Scotland

BIRTHS, DEATHS AND MARRIAGES

Registered in sixteen of the Principal Towns

November, 1938

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 Census had populations of over 30,000, there were registered during the month of November 1938 the births (corrected for transfer to place of usual residence) of 3,610 living children, of whom 1,798 were males and 1,812 were females. Compared with the number in the previous month the total births were 125 fewer, male births being 80 fewer and female births 45 fewer. The monthly birth-rate in these towns taken collectively was 17·2 per thousand. This rate is the same as that for the previous month but is 0·1 below the five years' average.

In the individual towns the monthly birth-rate ranged from 22·1 in Coatbridge, 21·1 in Kirkcaldy and 20·5 in Hamilton, to 14·0 in Kilmarnock and 12·8 in Dunfermline and in Perth. In Clydebank the rate was 18·8, in Paisley 18·7, in Ayr 18·3, in Glasgow and in Greenock 18·0, in Motherwell and Wishaw 17·3, in Falkirk 16·6, in Dundee 16·0, in Aberdeen 16·0 and in Edinburgh 15·1.

Of the 3,610 living children whose births were registered during the month 3,438 or 95·2 per cent. were legitimate, while 172 or 4·8 per cent. were illegitimate. The legitimate children numbered 115 fewer than in the previous month and the illegitimate children 10 fewer. The illegitimate percentage for the month is 0·2 below that for the previous month. In the individual towns it ranged from 7·9 in Perth, 7·7 in Falkirk and 6·8 in Aberdeen, to 1·5 in Hamilton, 1·4 in Clydebank and 1·2 in Coatbridge. In Glasgow the rate was 4·6 and in Edinburgh 5·8.

Marriages.—Marriages registered during the month numbered 1,418 and are 475 fewer than in the previous month. The marriage-rate, 6·7 per thousand, is 2·0 below that for the previous month and 0·1 below the average. In the individual towns it ranged from 7·9 in Aberdeen, 7·8 in Glasgow and 7·1 in Perth, to 4·1 in Motherwell and Wishaw, 3·5 in Kirkcaldy and 3·3 in Clydebank. In Edinburgh the rate was 6·6. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.—Deaths (corrected for transfer) in the Sixteen Towns during the month numbered 2,637, of which 1,359 were of males and 1,278 were of females. This number is 121 more than in the previous month, males being 57 more and females 64 more.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.

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The monthly death-rate in these towns taken collectively was 12·5 per thousand, being 0·9 above that for the previous month but 1·4 below the average. It is the lowest rate hitherto recorded for the month of November in this series of Reports. In the towns taken individually the death-rate ranged from 13·8 in Paisley and in Greenock and 13·2 in Glasgow and in Edinburgh, to 10·3 in Hamilton, 9·8 in Coatbridge and 9·6 in Motherwell and Wishaw. In Dundee and in Dunfermline the rate was 11·9, in Perth 11·5, in Kilmarnock 11·3, in Aberdeen 10·9, in Falkirk 10·8, in Kirkcaldy and in Ayr 10·5 and in Clydebank 10·4.

Deaths of children aged less than one year numbered 325 and equalled an infantile mortality rate of 84 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. These deaths are 68 more than in the previous month, while the rate is 20 more than in that month but 13 below the average. In the individual towns this rate ranged from 106 in Paisley, 103 in Glasgow and 95 in Kilmarnock, to 22 in Dunfermline, 9 in Motherwell and Wishaw and 0 in Kirkcaldy. In Hamilton it was 93, in Edinburgh 76, in Ayr 74, in Aberdeen 73, in Falkirk 70, in Coatbridge and in Perth 67, in Greenock 66, in Dundee 62 and in Clydebank 43.

Causes of Death.—Deaths from the principal epidemic diseases numbered 69 and equalled a death-rate of 0·3 per thousand. These deaths are 19 more than in the previous month and the rate is 0·1 more. They include 2 from typhoid fever, none from measles, 6 from scarlet fever, 17 from whooping-cough, 19 from diphtheria, 16 from influenza, 5 from cerebro-spinal fever, and 4 from other epidemic diseases, 2 of which were ascribed to erysipelas and 2 to lethargic encephalitis. Compared with the number in the previous month deaths from typhoid fever are the same, from scarlet fever 5 more, from whooping-cough 8 more, from diphtheria 4 fewer, from influenza 11 more, from cerebro-spinal fever 2 more and from other epidemic diseases 3 fewer.

Deaths attributed to respiratory diseases exclusive of those associated with tuberculosis and with influenza numbered 354 and equalled a death-rate of 1·7 per thousand. It is the lowest rate from this cause hitherto recorded in these Reports for the month of November. Compared with the number in the previous month these deaths are 103 more, while the rate is 0·5 more but is 0·7 below the average.

Deaths from all forms of tuberculosis numbered 185, of which 153 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 31 more, and those from respiratory tuberculosis 28 more. Compared with the average the former are 10 more and the latter 14 more.

METEOROLOGICAL NOTES
supplied by the Meteorological Office, Edinburgh.

NOVEMBER 1938.

Mean barometric pressure, 29·562 inches; less than the average* by 0·288 in.
Mean temperature, 45·9° F.; greater by 4·0° F.
Mean daily range of temperature, 8·9° F.; less by 1·0° F.
Mean daily sunshine, 1·47 hour; less by 0·19 hour.
Rain, depth in inches, 5·85; greater by 2·69 inches.
Wind, direction of: an 8 days' excess of south or south-west winds.

A very deep depression centred near the Faroes at the beginning of the month moved slowly north-eastwards. Gales were experienced over Scotland generally and were especially severe in northern districts. At Stornoway the wind reached a mean speed of 51 miles per hour in the early morning on the 1st, with gusts up to 75 miles per hour. At Kirkwall the highest gust was 76 miles per hour and at Edinburgh 68 miles per hour. Further depressions passing between these islands and Iceland maintained the stormy conditions for several days. Unusually mild weather prevailed throughout this period. A deep complex depression centred to the west of Ireland remained stationary for several days in the second week and

* The averages or normals in the case of pressure and rainfall refer to the period 1881–1915 and in the case of temperature and sunshine to the period 1906–35.

heavy rain fell over Scotland generally. A brief period of fairer weather followed on the 14th and 15th, but conditions rapidly deteriorated and there was a renewal of severe westerly gales in the north by the 18th, when wind gusts up to 98 miles per hour were registered at Stornoway. On this day gusts up to 70 miles per hour occurred in Edinburgh. Unstable conditions predominated in the latter part of the month and mainly dull and showery weather spread to all districts with snow on high ground. Winds frequently reached gale force in the west and north between the 27th and 30th. The extremes of pressure in Edinburgh were 30·39 inches on the 15th and 28·56 inches on the 23rd.

The month was unusually mild, the mean temperature for the country as a whole being the highest for November since 1899. The excess over the normal exceeded 5° F. in most of the southern and south-western counties. The warmest weather occurred in the first week, when some stations recorded the highest November readings since records commenced. Stonehaven had 65° F. on the 4th, while 64° F. was registered at Aberdeen and Gordon Castle on the 4th and 6th respectively. The only really cold period was from the 21st to 23rd, when frosts occurred in all districts except Orkney, Shetland and the extreme south-west. The lowest temperature reported was 18° F. at Braemar on the 22nd. Dalwhinnie and Logie Coldstone registered 21° F. on the 21st, and this value was also reported from Balmoral, Logie Coldstone and Perth on the 22nd. Ground frosts were registered on 17 days, nearly all of which were in the latter half of the month. The lowest ground temperatures reported were 14° F. at Braemar on the 21st and 22nd and 15° F. at Balmoral on the same dates.

Sunshine was slightly in excess of the normal over the eastern half of Scotland but below normal in the west. The largest aggregates were 82 hours at Craibstone, 79 hours at Dunbar and 77 hours at Stonehaven. In the extreme west and also at some places in the south the deficiency of sunshine amounted to as much as 30 hours. The smallest aggregates reported were 15 hours at Benmore, 11 hours at Onich and only 8 hours at Fort William.

The past month, like its predecessor, had an excessive rainfall in most districts, though there was rather less than the normal in Aberdeenshire and along the shores of the Moray Firth. Large areas in the west and south had more than twice the normal rainfall. The torrential rains of the second week caused extensive flooding in Border districts. The River Tweed and its tributaries reached the highest level for many years. Two bridges spanning the Teviot at Hawick were washed away. Daily falls exceeding an inch occurred in all districts and with unusual frequency. The wettest day was the 12th, when many places in the south and central districts had more than two inches of rain. The largest falls reported on this day were 2·89 inches at Ettrick (Selkirk), 2·81 inches at Forrest Lodge, near Dalry, and 2·55 inches at Moffat (Dumfriesshire). Other heavy falls were 4·73 inches on the 5th and 4·20 inches on the 6th at Kinlochquoich; 2·44 inches on the 5th and 2·53 inches on the 6th at Glenquoich; 2·35 inches at Erracht (Glen Loy) and 2·18 inches at Tyndrum on the 7th; 2·09 inches at Inveraray and also at Kinnell (Perthshire) on the 18th; 2·80 inches at Glenetive and 2·19 inches at Achnacarry on the 28th.

Hail was reported in all districts on the 1st and locally on 16 other days.

Snow fell on the 1st, 2nd and on each day from the 16th to 30th. The falls at the beginning of the month were widespread though not generally heavy. Much snow fell between the 22nd and 24th and lay to a depth of 4 to 6 inches in many places.

Fog occurred locally on 14 days. It was fairly widespread in the west on the 16th.

Gales were reported at one place or other on every day except the 6th, 8th and 14th to 16th, and were often of marked severity, especially in the extreme north. Lerwick experienced gales on 14 days.

Widespread thunderstorms occurred on the 1st, and the phenomena were also reported locally on each day from the 16th to the end of the month with the exception of the 21st and 26th.

Aurora was observed on 17 nights. It was most commonly reported on the 14th and 17th, when it was seen as far south as Eskdalemuir and St. Abb's Head.

Note.—The mean values refer to those of the Principal Towns named in Meteorological Table on p. 88.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, November 1938.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
									REGISTERED			TRANSFERS (Both Sexes.)		Corrected for Transfers (Both Sexes.)
	Census 1931.	Estimated to middle of 1938. (Provisional.)	Both Sexes.	Males.	Females.	Legitimate.	Illegitimate.		Both Sexes.	Males.	Females.	Out.	In.	
GLASGOW, . .	1,093,337	1,126,000	1670	817	853	1594	76	725	1355	711	644	169	37	1223
EDINBURGH, .	439,010	469,700	582	293	289	548	34	255	587	292	295	92	13	508
DUNDEE, . .	175,681	177,600	233	121	112	222	11	67	185	96	89	13	2	174
ABERDEEN, . .	169,803	178,200	234	113	121	218	16	115	193	92	101	39	5	159
PAISLEY, . .	86,445	91,100	140	72	68	133	7	40	101	54	47	8	10	103
GREENOCK, . .	79,012	81,100	120	54	66	113	7	39	95	53	42	6	3	92
MOTHERWELL AND WISHAW, .	65,611	67,500	96	53	43	93	3	23	37	20	17	1	17	53
CLYDEBANK, .	46,991	47,800	74	43	31	73	1	13	23	8	15	1	19	41
KIRKCALDY, .	43,874	45,000	78	38	40	76	2	13	33	17	16	5	11	39
COATBRIDGE, .	43,312	44,500	81	41	40	80	1	18	28	14	14	1	9	36
KILMARNOCK, .	38,681	39,900	46	24	22	45	1	17	39	17	22	8	6	37
HAMILTON, . .	38,112	39,100	66	34	32	65	1	18	28	19	9	2	7	33
AYR, . . .	38,905	40,700	61	34	27	58	3	23	57	28	29	25	3	35
FALKIRK, . .	36,566	38,200	52	22	30	48	4	14	41	22	19	8	1	34
DUNFERMLINE, .	35,058	36,900	39	17	22	37	2	17	39	15	24	9	6	36
PERTH, . . .	35,051	36,100	38	22	16	35	3	21	51	23	28	18	1	34
TOTAL . . (SIXTEEN TOWNS)	2,465,449	2,559,400	3610	1798	1812	3438	172	1418	2892	1481	1411	405	150	2637

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, November 1938.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases (not Tuberc.)		
				Registered.	Corr. for Transfers.					Number.	* Rate per 1000 Births.
GLASGOW, .	18·0	4·6	7·8	14·6	13·2	0·4	1·2	1·0	2·0	185	103
EDINBURGH, .	15·1	5·8	6·6	15·2	13·2	0·2	0·8	0·7	1·9	47	76
DUNDEE, . .	16·0	4·7	4·6	12·7	11·9	0·3	0·6	0·6	1·4	16	62
ABERDEEN, .	16·0	6·8	7·9	13·2	10·9	0·1	0·4	0·4	1·2	18	73
PAISLEY, . .	18·7	5·0	5·3	13·5	13·8	0·3	0·7	0·5	1·9	15	106
GREENOCK, .	18·0	5·8	5·9	14·3	13·8	0·5	0·8	0·5	1·7	9	66
MOTHERWELL AND WISHAW,	17·3	3·1	4·1	6·7	9·6	0·2	0·4	..	1·4	1	9
CLYDEBANK,	18·8	1·4	3·3	5·9	10·4	1·0	1·0	1·0	0·8	3	43
KIRKCALDY, .	21·1	2·6	3·5	8·9	10·5	..	..	..	1·6	..	..
COATBRIDGE, .	22·1	1·2	4·9	7·6	9·8	0·3	0·8	0·8	1·1	6	67
KILMARNOCK,	14·0	2·2	5·2	11·9	11·3	1·2	0·3	0·3	1·8	6	95
HAMILTON, .	20·5	1·5	5·6	8·7	10·3	..	..	..	0·6	7	93
AYR, . . .	18·3	4·9	6·9	17·1	10·5	..	..	..	0·9	4	74
FALKIRK, . .	16·6	7·7	4·5	13·1	10·8	0·3	1·3	1·0	0·6	4	70
DUNFERMLINE,	12·8	5·1	5·6	12·8	11·9	0·7	0·7	0·7	0·3	1	22
PERTH, . .	12·8	7·9	7·1	17·2	11·5	..	0·3	0·3	0·3	3	67
TOTAL . . (SIXTEEN TOWNS)	17·2	4·8	6·7	13·7	12·5	0·3	0·9	0·7	1·7	325	84

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for November 1938, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								‡Infantile Mortality Rate.	Mean Temperature.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
NOV. 1938,	**17·2**	**4·8**	**6·7**	**12·5**	**2**	**0**	**6**	**17**	**19**	**16**	**5**	**4**	**84**	**45°·9**
NOV. 1937,	17·2	5·4	7·3	14·7	0	9	3	1	32	37	3	11	114	41°·9
NOV. 1936,	17·3	5·2	7·4	14·1	0	0	9	27	19	23	6	19	102	41°·3
NOV. 1935,	17·3	6·1	6·4	13·0	1	13	5	1	20	37	2	17	94	42°·3
NOV. 1934,	18·0	4·9	6·0	14·6	1	6	6	17	21	43	6	16	97	42°·2
NOV. 1933,	16·7	5·8	5·8	13·0	1	0	30	6	20	33	7	26	76	42·1
NOV. 1932,	17·7	6·7	6·1	13·7	1	0	14	28	17	30	7	7	92	42°·1
NOV. 1931,	18·3	5·8	7·0	13·2	1	125	20	14	21	15	14	18	85	45°·2
NOV. 1930,	18·3	6·1	6·1	13·2	2	11	5	23	19	34	11	19	97	40°·5
NOV. 1929,	18·6	6·2	5·9	12·8	0	24	4	15	30	35	7	9	78	42°·6
NOV. 1928,	19·9	6·4	5·8	13·2	1	3	6	12	21	42	8	18	98	44°·3

Figures in columns 5-14 have been corrected for non-resident deaths.
* Including Paratyphoid from 1931.
† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.
‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—November 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.												
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over
1	Typhoid Fever (including Paratyphoid)	2	1	1	-	-	-	-	-	2	-	-	-	-	-	-
4	Measles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever	6	5	1	-	3	1	1	-	-	1	-	-	-	-	-
6	Whooping-cough	17	9	8	8	9	-	-	-	-	-	-	-	-	-	-
7	Diphtheria	19	6	13	-	8	9	2	-	-	-	-	-	-	-	-
8	Influenza	16	9	7	3	1	-	-	-	1	3	2	2	3	1	-
14 (1)	Cerebro-spinal Fever	5	1	4	3	2	-	-	-	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases (2, 3, 9)*	4	2	2	-	-	-	-	-	1	1	-	-	2	-	-
10	Tuberculosis of Respiratory System	153	80	73	-	2	1	1	39	33	28	15	17	15	2	-
11	Other Tuberculous Diseases	32	22	10	2	10	4	2	7	1	3	2	1	-	-	-
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	16	9	7	5	1	-	-	1	1	-	3	-	4	1	-
15	Cancer, Malignant Disease	333	157	176	-	-	-	-	2	2	20	54	96	102	50	7
18	Diabetes Mellitus	20	6	14	-	-	-	-	-	1	1	1	9	5	3	-
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	61	23	38	2	3	1	4	7	8	4	7	13	8	4	-
22	Cerebral Hæmorrhage, &c.	277	132	145	-	1	-	-	2	3	5	24	41	101	82	18
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	59	38	21	9	5	1	-	4	3	8	7	10	6	5	1
24	Heart Disease	571	277	294	1	-	3	2	4	11	23	62	104	185	144	32
25	Other Circulatory Diseases	49	27	22	-	-	-	-	1	1	3	1	10	16	15	2
26	Bronchitis	119	67	52	19	6	-	-	-	2	3	14	14	26	28	7
27	Pneumonia (all forms)	194	108	86	82	18	2	2	3	6	9	18	15	24	12	3
28	Other Respiratory Diseases	41	17	24	4	1	-	-	1	1	3	4	8	6	5	8
32 (1)	Gastric and Duodenal Ulcer	22	18	4	-	-	-	-	1	3	2	5	6	5	-	-
29	Diarrhœa, &c. (all ages)	50	31	19	34	5	-	-	-	-	1	2	3	3	2	-
30	Appendicitis	13	9	4	-	1	-	1	3	2	1	2	3	-	-	-
31 (1)	Cirrhosis of Liver	11	6	5	-	-	-	-	-	-	-	4	3	3	1	-
31 (2)	Other Diseases of Liver, &c.	23	8	15	1	-	-	-	-	1	3	6	6	5	1	-
32 (2)	Other Digestive Diseases	54	27	27	8	2	1	2	4	2	9	3	5	12	5	1
33	Acute and Chronic Nephritis	60	20	40	2	1	-	2	2	2	9	7	11	16	8	-
34	Other Dis. of Genito-Urinary System	36	20	16	1	1	-	1	1	3	-	-	6	11	11	1
35	Puerperal Sepsis	3	-	3	-	-	-	-	1	2	-	-	-	-	-	-
36	Other Puerperal Causes	8	-	8	-	-	-	-	1	4	3	-	-	-	-	-
37	Diseases of Skin and Locomotor System	13	9	4	2	-	1	2	-	1	2	1	3	1	-	-
38	Congen. Debil., Prem. Birth, Malform., &c.	138	75	63	137	-	-	1	-	-	-	-	-	-	-	-
39	Old Age	59	26	33	-	-	-	-	-	-	-	-	-	9	36	14
40	Suicide	26	18	8	-	-	-	-	4	2	4	4	9	3	-	-
42	Other Violence (41)	88	68	20	2	2	8	7	11	5	9	13	12	7	8	4
43	Causes Ill-defined or Unknown	39	28	11	-	1	-	-	2	1	3	4	9	12	5	2
	ALL CAUSES	2637	1359	1278	325	83	32	30	101	105	161	265	416	590	429	100

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—November 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	2	1	...	...	...	...	...	...	...
4	Measles	...	...	...	...	...	...	...	...	...
5	Scarlet Fever	6	...	1	1	...	...	2	1	1
6	Whooping-cough	17	12	...	...	...	...	...	...	2
7	Diphtheria	19	8	3	1	2	2	1	...	...
8	Influenza...	16	12	1	3	...	...	...	...	...
14 (1)	Cerebro-spinal Fever	5	2	1	...	...	...	...	...	1
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	4	3	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	153	89	28	9	6	4	3	...	4
11	Other Tuberculous Diseases	32	25	1	...	...	1	2	2	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	16	5	7	...	1	...	...	...	...
15	Cancer, Malignant Disease	333	155	70	23	21	10	9	5	2
18	Diabetes Mellitus	20	8	5	3	...	...	...	1	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	61	25	20	1	...	2	3	1	...
22	Cerebral Hæmorrhage, &c.	277	92	59	26	23	17	15	9	4
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	59	28	7	1	8	4	2	2	...
24	Heart Disease	571	255	119	47	30	19	15	12	11
25	Other Circulatory Diseases	49	15	13	3	4	2	2	1	1
26	Bronchitis	119	55	28	5	9	3	5	6	...
27	Pneumonia (all forms)	194	112	38	10	5	8	5	2	2
28	Other Respiratory Diseases	41	15	8	5	3	3	1	...	1
32 (1)	Gastric and Duodenal Ulcer	22	11	5	...	3	1	...	...	1
29	Diarrhœa, &c. (all Ages)	50	28	6	1	4	3	3	...	...
30	Appendicitis	13	5	1	...	...	3	3	...	...
31 (1)	Cirrhosis of Liver	11	1	4	2	1	...	...	1	1
31 (2)	Other Diseases of Liver, &c.	23	12	5	2	...	1	...	...	...
32 (2)	Other Digestive Diseases	54	24	9	2	5	1	4	2	2
33	Acute and Chronic Nephritis	60	30	7	7	6	2	1	1	...
34	Oth. Diseases of Genito-Urinary System	36	15	10	2	...	3	...	1	...
35	Puerperal Sepsis	3	1	1	...	...	...	...	...	1
36	Other Puerperal Causes	8	3	1	1	1	...	...	...	...
37	Dis. of Skin, and of Locomotor System	13	4	1	2	1	...	...	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	138	70	18	9	8	10	4	...	2
39	Old Age	59	25	6	3	4	...	7	4	1
40	Suicide	26	9	8	...	2	...	...	...	1
42	Other Violence (41)	88	40	16	3	9	3	3	1	2
43	Causes Ill-defined or Unknown ...	39	28	1	2	3	1	2	...	...
	All Causes ...	2637	1223	508	174	159	103	92	53	41
	AGE AT DEATH.									
	Under 1	325	185	47	16	18	15	9	1	3
	1– 4	83	45	11	3	4	3	4	...	2
	5– 9	32	17	6	1	1	3	2	1	...
	10–14	30	14	3	...	...	2	3	2	...
	15–24	101	52	17	1	4	6	3	2	1
	25–34	105	55	23	4	4	2	5	1	2
	35–44	161	83	23	12	6	3	8	6	5
	45–54	265	137	36	19	13	12	9	6	4
	55–64	416	189	82	29	26	17	13	8	7
	65–74	590	252	127	49	40	21	12	10	9
	75–84	429	158	108	31	31	16	23	15	7
	85 and over	100	36	25	9	12	3	1	1	1
	Not stated	...	...	...	...	...	...	...	...	...
	All Ages ...	2637	1223	508	174	159	103	92	53	41

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—November 1938—*continued.*

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	1	...
4	Measles	...	...	...	...	...	...	...	...
5	Scarlet Fever	...	...	...	...	...	...	...	...
6	Whooping-cough	...	1	2	...	...	...	...	...
7	Diphtheria	...	...	2	...	...	...	...	...
8	Influenza...	...	...	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever	...	...	...	...	...	...	1	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	...	...	...	...	...	1	...	...
10	Tuberculosis of Respiratory System ...	...	3	1	...	...	3	2	1
11	Other Tuberculous Diseases	...	...	...	...	...	1	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	2	...	...	...	...	...	1	...
15	Cancer, Malignant Disease	7	4	3	6	2	3	9	4
18	Diabetes Mellitus	...	...	1	1	...	...	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	1	...	1	1	2	3	...
22	Cerebral Hæmorrhage, &c.	3	3	3	6	6	1	6	4
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	1	...	1	3	2	...	...	...
24	Heart Disease	7	6	10	5	12	7	5	11
25	Other Circulatory Diseases	1	1	...	1	1	1	1	2
26	Bronchitis	6	...	1	...	...	...	...	1
27	Pneumonia (all forms)	...	2	4	2	1	2	1	...
28	Other Respiratory Diseases	...	2	1	...	2	...	...	...
32 (1)	Gastric and Duodenal Ulcer	1	...	...	...	...	...	...	...
29	Diarrhœa, &c. (all Ages)	...	2	2	...	...	1	...	...
30	Appendicitis	...	...	...	...	...	1	...	...
31 (1)	Cirrhosis of Liver	...	...	...	...	...	1	...	...
31 (2)	Other Diseases of Liver, &c.	...	1	1	...	...	...	...	1
32 (2)	Other Digestive Diseases	...	...	2	1	2	...	...	...
33	Acute and Chronic Nephritis	...	1	...	...	...	2	1	2
34	Oth. Diseases of Genito-Urinary System	3	1	...	...	...	...	1	...
35	Puerperal Sepsis	...	...	...	...	...	...	...	...
36	Other Puerperal Causes	1	...	...	...	1	...	...	...
37	Dis. of Skin, and of Locomotor System	1	...	...	...	1	1	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	...	3	...	4	3	3	1	3
39	Old Age	2	1	1	1	1	2	...	1
40	Suicide	2	...	1	1	...	...	...	2
42	Other Violence (41)	1	2	1	1	...	2	2	2
43	Causes Ill-defined or Unknown ...	...	2	...	...	...	...	...	...
	All Causes ...	39	36	37	33	35	34	36	34
	AGE AT DEATH.								
	Under 1	...	6	6	7	4	4	1	3
	1– 4	1	2	2	2	1	2	...	1
	5– 9	...	1	...	...	...	...	...	...
	10–14	...	...	2	...	1	1	2	...
	15–24	1	2	1	...	...	4	4	3
	25–34	1	1	3	...	...	2	2	...
	35–44	...	5	...	2	2	...	3	3
	45–54	4	4	3	3	4	3	6	2
	55–64	9	4	4	6	6	6	4	6
	65–74	18	6	10	5	9	8	6	8
	75–84	4	4	3	6	6	3	7	7
	85 and over	1	1	3	2	2	1	1	1
	Not stated	...	...	...	...	...	...	...	...
	All Ages ...	39	36	37	33	35	34	36	34

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of November 1938.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†		AIR TEMPERATURE. Mean of Maximum (A.)	Mean of Minimum (B.)	Mean of A and B (Mean Temperature).	Difference from Average.	Absolute Maximum and Minimum. Maximum.	Day of Month.	Minimum.	Day of Month.	HYGROMETER.* Mean of Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Difference from Average.	BRIGHT SUNSHINE. Hours per Day. Daily Mean.	Difference from Average.	Per Cent. of Possible.
	feet.	Mb.	inches.	° F.	° F.	° F.	F.	° F.		° F.		° F.	F.	Mb.	%		inch.	inch.			
GLASGOW, Abbotsinch Aerodrome (The Meteorological Office).	19	1001·3	29·570	50·5	42·5	46·5	+5·4	60	12, 13	27	22nd	46·2	1·2	9·9	91	25	8·09	+4·19	0·98	−0·49	12
EDINBURGH, The Astronomer Royal for Scotland, Royal Observatory.	441	1001·5	29·575	50·6	41·9	46·3	+4·2	61	6th	31	22nd	45·3	2·1	8·5	83	18	4·46	+2·22	2·22	+0·11	27
DUNDEE, The Director of Studies, Training College.	147	1000·4	29·543	49·2	38·0	43·6	+2·1	60	4th	27	22nd	44·4	1·4	8·8	88	20	3·72	+1·40	2·32	+0·13	28
ABERDEEN, The Meteorological Office.	79	999·6	29·520	49·4	41·1	45·3	+3·1	62	4th	29	22nd	44·9	2·1	8·4	83	16	2·68	−0·27	2·48	+0·53	31
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1001·4	29·573	50·7	42·9	46·8	+4·5	60	5th	29	22nd	46·2	1·3	9·6	90	24	8·15	+3·97	0·92	−0·52	11
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1001·3	29·570	50·5	42·8	46·7	+4·1	60	6th	33	23rd	46·2	1·8	9·1	86	28	12·37	+6·31	0·70	..	8
KIRKCALDY, The Medical Officer of Health.	137	..	..	49·9	41·0	45·5	+3·0	59	5, 6, 12	27	22nd	45·4	1·3	9·3	90	22	4·85	..	1·68	..	20
KILMARNOCK, W. DUNBAR, C.E.	132	..	..	51·5	42·7	47·1	+5·3	59	7th	27	22nd	46·5	1·3	9·7	90	26	6·10	+2·33	1·06	−0·52	13
AYR, The Medical Officer of Health.	43	..	..	52·7	43·0	47·9	..	61	6th	32	22nd	48·8	1·1	10·8	92	24	4·92	..	1·08	..	13
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	49·6	41·4	45·5	..	59	6, 12	29	21, 22	45·6	1·4	9·2	89	22	4·70	..	1·46	..	18
PERTH, J. RITCHIE, The Museum.	76	1001·8	29·582	49·8	39·5	44·7	+4·2	62	4th	21	22nd	44·0	1·2	8·8	90	22	4·28	+1·40	1·25	−0·60	15
Means . .	147	1001·0	29·562	50·4	41·5	45·9	+4·0	..	..	..	..	45·8	1·5	9·3	88	22	5·85	+2·69	1·47	−0·19	18

North Latitude.—Glasgow, 55° 52′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Greenock, 55° 56′; Perth, 56° 24′; Mean, 56° 14′.
West Longitude.—Glasgow, 4° 17′; Edinburgh, 3° 11′; Dundee, 2° 58′; Aberdeen, 2° 6′; Paisley, 4° 26′; Greenock, 4° 46′; Perth, 3° 27′; Mean, 3° 36′.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.

† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars=29·531 mercury inches) and inches.

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MONTHLY RETURN OF THE REGISTRAR-GENERAL

Scotland

BIRTHS, DEATHS AND MARRIAGES

Registered in sixteen of the Principal Towns

December, 1938

REPORT

Births.—In the Sixteen Principal Towns of Scotland, being those burghs which at the date of the 1931 census had populations of over 30,000, there were registered during the month of December 1938 the births (corrected for transfer to place of usual residence) of 3,789 living children, of whom 1,935 were males and 1,854 were females. Compared with the number in the previous month the total births were 179 more, male births being 137 more and female births 42 more. The monthly birth-rate in these towns taken collectively was 17·4 per thousand. This rate is 0·2 more than that for the previous month but is 0·1 below the five years' average.

In the individual towns the monthly birth-rate ranged from 23·5 in Hamilton, 23·3 in Coatbridge and 20·9 in Kilmarnock, to 15·5 in Dundee, 14·8 in Edinburgh and 13·0 in Falkirk. In Motherwell and Wishaw the rate was 19·9, in Glasgow 18·5, in Greenock 18·2, in Kirkcaldy 18·0, in Paisley 17·7, in Dunfermline 17·2, in Clydebank and in Ayr 16·8, in Perth 16·0 and in Aberdeen 15·9.

Of the 3,789 living children whose births were registered during the month, 3,583 or 94·6 per cent. were legitimate, while 206 or 5·4 per cent. were illegitimate. The legitimate children numbered 145 more than in the previous month and the illegitimate children 34 more. The illegitimate percentage for the month is 0·6 above that for the previous month. In the individual towns it ranged from 8·7 in Kirkcaldy, 8·2 in Perth and 7·9 in Aberdeen, to 2·4 in Falkirk, 1·6 in Greenock and 1·5 in Paisley. In Glasgow and in Edinburgh the rate was 5·8.

Marriages.—Marriages registered during the month numbered 2,252 and are 834 more than in the previous month. The marriage-rate, 10·4 per thousand, is 3·7 above that for the previous month but 0·4 below the average. In the individual towns it ranged from 13·3 in Aberdeen, 12·9 in Hamilton and 12·4 in Motherwell and Wishaw, to 5·8 in Coatbridge, 3·7 in Kirkcaldy and 3·4 in Falkirk. In Glasgow the rate was 10·6 and in Edinburgh 9·8. These marriage numbers have not been corrected in any way for transfer to place of usual residence.

Deaths.—Deaths (corrected for transfer) in the Sixteen Towns during the month numbered 3,255, of which 1,638 were of males and 1,617 were of females.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding month of the five preceding years.

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This number is 618 more than in the previous month, males being 279 more and females 339 more.

The monthly death-rate in these towns taken collectively was 15·0 per thousand, being 2·5 above that for the previous month but 0·6 below the average. In the towns taken individually the death-rate ranged from 17·3 in Greenock, 17·1 in Hamilton and 16·5 in Ayr, to 12·8 in Clydebank, 12·6 in Motherwell and Wishaw and 9·9 in Kirkcaldy. In Perth the rate was 16·0, in Edinburgh and in Kilmarnock 15·9, in Dundee 15·8, in Dunfermline 15·3, in Glasgow 14·8, in Paisley and in Falkirk 14·2, in Aberdeen 14·1 and in Coatbridge 13·5.

Deaths of children aged less than one year numbered 361 and equalled an infantile mortality rate of 90 per thousand of the monthly average number of births registered in these towns during the preceding twelve months. It is the lowest rate hitherto recorded for December with the exception of that for 1921, which was 89. These deaths are 36 more than in the previous month, while the rate is 6 more than in that month but 17 below the average. In the individual towns this rate ranged from 149 in Clydebank, 119 in Kilmarnock and 110 in Paisley, to 64 in Dunfermline and in Perth, 63 in Motherwell and Wishaw and 50 in Greenock and in Kirkcaldy. In Dundee it was 109, in Ayr 105, in Falkirk 103, in Edinburgh 94, in Glasgow 92, in Aberdeen 74, and in Coatbridge and in Hamilton 65.

Causes of Death.—Deaths from the principal epidemic diseases numbered 110 and equalled a death-rate of 0·5 per thousand. These deaths are 41 more than in the previous month and the rate is 0·2 more. They include none from typhoid fever, none from measles, 5 from scarlet fever, 31 from whooping-cough, 31 from diphtheria, 31 from influenza, 6 from cerebro-spinal fever, and 6 from other epidemic diseases, 4 of which were ascribed to lethargic encephalitis and 2 to erysipelas. Compared with the number in the previous month deaths from scarlet fever are 1 fewer, from whooping-cough 14 more, from diphtheria 12 more, from influenza 15 more, from cerebro-spinal fever 1 more and from other epidemic diseases 2 more. In the previous month 2 deaths were registered from typhoid fever.

Deaths attributed to respiratory diseases, exclusive of those associated with tuberculosis and with influenza, numbered 512 and equalled a death-rate of 2·4 per thousand. Compared with the number in the previous month these deaths are 158 more, while the rate is 0·7 more but is 0·9 below the average.

Deaths from all forms of tuberculosis numbered 177, of which 145 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month deaths from all forms of tuberculosis are 8 fewer and those from respiratory tuberculosis 8 fewer. Compared with the average the former are 22 fewer and the latter 19 fewer.

METEOROLOGICAL NOTES
supplied by the Meteorological Office, Edinburgh.

DECEMBER 1938.

Mean barometric pressure, 29·775 inches; greater than the average* by 0·004 inches.

Mean temperature, 39·1° F.; less by 0·6° F.

Mean daily range of temperature, 9·4° F.; greater by 0·7° F.

Mean daily sunshine, 1·30 hour; greater by 0·30 hour.

Rain, depth in inches, 2·84; less by 0·77 inch.

Wind, direction of: a 4 days' excess of south-easterly or southerly winds.

A very deep depression centred north-west of Scotland on the 1st caused squally showers of rain or hail in all districts. Conditions remained unsettled throughout the first half of the month with severe gales over a wide area on the 4th and 5th, when wind gusts up to 69 and 74 miles per hour were registered at

* The averages or normals in the case of pressure and rainfall refer to the period 1881–1915 and in the case of temperature and sunshine to the period 1906–35.

Stornoway and Lerwick respectively. Temperatures were unusually high for the time of year but a very cold wintry spell set in on the 17th, when a large anticyclone over Russia spread westward and affected the weather over the whole of the British Isles. Heavy snowfalls occurred accompanied by easterly winds which attained gale force off north-east Scotland. In some places temperature remained continuously below freezing until the 24th. Changeable weather occurred in the last week but there were considerable bright periods. The extremes of pressure in Edinburgh were 30·48 inches on the 24th and 28·88 inches on the 1st.

A spell of unseasonable warmth in the first fortnight was succeeded by very cold weather in the week preceding Christmas. Some rather high temperatures were recorded again in the last week, especially on the 26th. For the country as a whole the mean temperature of the month was 0·6° F. below normal. Shade maxima of 50° F. or slightly above occurred in most districts from the 12th to 14th and on the 26th. The highest reading reported was 56° F. at Logie Coldstone on the 26th; 55° F. was recorded at Nairn, Achnashellach and Dunfermline on the 12th, at Fortrose on the 13th and 14th and at Forres and St. Abb's Head on the 26th. Some remarkably low minima were registered between the 20th and 22nd, the extreme values being 4° F. (28 degrees of frost) at Braemar on the 22nd, 6° F. at Dalwhinnie on the 20th, 7° F. at Kettins on 21st and 22nd and 8° F. at Perth on the 22nd. In the same period a ground minimum of 0° F. was recorded at Braemar on the 22nd and 1° F. also at Braemar on the 20th and 21st; 2° F. was registered at Carluke on the 21st. Ground frosts occurred in one place or other on every night except the 7th, 12th, 14th and 17th.

Sunshine aggregates exceeded the normal in most areas, but there were slight deficits at some inland stations and in the extreme north. Turnberry on the Ayrshire coast had 64 hours' sunshine, and other large totals were 57 hours at Rothesay, 55 hours at Carluke and 54 hours at Dundee, Montrose, Forres and Dumfries. Many places in the north and west had less than 20 hours' sunshine. Lerwick registered only 4 hours and Fort Augustus only one hour.

Over most of the country rainfall was less than the normal, but along the east coast south of Aberdeen and also in Western Argyll totals were slightly in excess of the normal. The heaviest falls occurred in the first week when daily measurements exceeding one inch were reported from all parts of Scotland. Among the largest were 3·09 inches at Achnacarry and 2·97 inches at Fort William (Factory) on the 6th; 2·55 inches at Glendessary and 2·13 inches at Kinlochquoich on the 7th. Other large daily falls were 2·32 inches at Kinlochquoich on the 4th, 1·39 inch at Gruline (Mull) on the 13th, 1·37 inch at Banchory on the 16th and 1·31 inch at Kingairloch on the 25th.

Hail was reported locally on 18 days.

Snow or sleet fell on 23 days and lay on the hills throughout the month. Falls were widespread during the week 17th to 24th and in many places the snow lay to a considerable depth, causing dislocation of road transport services. Air transport was also affected and many services were cancelled.

Fog was reported on 22 days. It was most prevalent in the Clyde area and especially at Greenock, where it occurred on 16 days.

Gales occurred at one place or other on 18 days. They were frequent in the north and west. The most widespread and severe gale was that of the 4th.

Thunderstorms were reported locally on the 1st, 2nd, 5th and 26th. The storm on the 2nd was unusually prolonged at Linlithgow and was accompanied by heavy rain and hail.

Aurora was seen on 11 nights. It was observed over a wide area on the 2nd, 3rd and 10th.

Note.—The mean values refer to those of the Principal Towns named in Meteorological Table on p. 96.

Table I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, December 1938.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
									REGISTERED			TRANSFERS (Both Sexes.)		
	Census 1931.	Estimated to middle of 1938. (Provisional.)	Both Sexes.	Males.	Females.	Legitimate.	Illegitimate.		Both Sexes.	Males.	Females.	Out.	In.	Corrected for Transfers (Both Sexes)
GLASGOW,	1,093,337	1,126,000	1772	888	884	1670	102	1010	1539	783	756	153	30	1416
EDINBURGH,	439,010	469,700	590	293	297	556	34	392	729	357	372	113	19	635
DUNDEE,	175,681	177,600	234	113	121	220	14	163	246	108	138	20	12	238
ABERDEEN,	169,803	178,200	240	132	108	221	19	201	260	121	139	55	8	213
PAISLEY,	86,445	91,100	137	65	72	135	2	80	110	63	47	14	14	110
GREENOCK,	79,012	81,100	125	67	58	123	2	72	124	63	61	9	4	119
MOTHERWELL AND WISHAW,	65,611	67,500	114	65	49	110	4	71	56	33	23	0	16	72
CLYDEBANK,	46,991	47,800	68	39	29	66	2	30	28	12	16	0	24	52
KIRKCALDY,	43,874	45,000	69	31	38	63	6	14	36	16	20	5	7	38
COATBRIDGE,	43,312	44,500	88	48	40	84	4	22	48	27	21	0	3	51
KILMARNOCK,	38,681	39,900	71	40	31	68	3	37	56	30	26	8	6	54
HAMILTON,	38,112	39,100	78	45	33	74	4	43	52	28	24	2	7	57
AYR,	38,905	40,700	58	34	24	56	2	37	80	38	42	26	3	57
FALKIRK,	36,566	38,200	42	22	20	41	1	11	53	31	22	9	2	46
DUNFERMLINE,	35,058	36,900	54	32	22	51	3	37	56	29	27	12	4	48
PERTH,	35,051	36,100	49	21	28	45	4	32	65	33	32	18	2	49
TOTAL (SIXTEEN TOWNS)	2,465,449	2,559,400	3789	1935	1854	3583	206	2252	3538	1772	1766	444	161	3255

Table II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, December 1938.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases (not Tuberc.)	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW,	18·5	5·8	10·6	16·1	14·8	0·6	1·0	0·8	2·4	172	92
EDINBURGH,	14·8	5·8	9·8	18·3	15·9	0·2	0·7	0·6	2·4	60	94
DUNDEE,	15·5	6·0	10·8	16·3	15·8	0·1	0·9	0·7	2·2	29	109
ABERDEEN,	15·9	7·9	13·3	17·2	14·1	0·4	0·5	0·4	1·8	19	74
PAISLEY,	17·7	1·5	10·3	14·2	14·2	0·4	0·4	0·1	1·9	16	110
GREENOCK,	18·2	1·6	10·5	18·0	17·3	1·3	1·3	1·2	2·9	7	50
MOTHERWELL AND WISHAW,	19·9	3·5	12·4	9·8	12·6	0·2	1·0	0·7	2·1	7	63
CLYDEBANK,	16·8	2·9	7·4	6·9	12·8	..	0·5	0·2	3·5	11	149
KIRKCALDY,	18·0	8·7	3·7	9·4	9·9	..	0·3	0·3	1·6	3	50
COATBRIDGE,	23·3	4·5	5·8	12·7	13·5	1·6	1·1	0·8	2·9	6	65
KILMARNOCK,	20·9	4·2	10·9	16·5	15·9	1·2	..	..	1·8	8	119
HAMILTON,	23·5	5·1	12·9	15·6	17·1	0·6	0·6	0·6	4·8	5	65
AYR,	16·8	3·4	10·7	23·2	16·5	..	1·4	1·2	1·4	6	105
FALKIRK,	13·0	2·4	3·4	16·4	14·2	0·3	0·3	0·3	2·5	6	103
DUNFERMLINE,	17·2	5·6	11·8	17·9	15·3	0·3	0·6	0·6	2·2	3	64
PERTH,	16·0	8·2	10·4	21·2	16·0	1·6	..	..	0·7	3	64
TOTAL (SIXTEEN TOWNS)	17·4	5·4	10·4	16·3	15·0	0·5	0·8	0·7	2·4	361	90

* Based on the average number of births registered monthly during the past 12 months.

Table III.—BIRTH-RATE, DEATH-RATE, &c., for December 1938, and for the Corresponding Month of the Preceding Ten Years, in the Principal Towns.

Month.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM *Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.	‡Infantile Mortality Rate.	Mean Temperature.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
DEC. 1938,	**17·4**	**5·4**	**10·4**	**15·0**	**0**	**0**	**5**	**31**	**31**	**31**	**6**	**6**	**90**	**39°·1**
DEC. 1937,	17·5	5·2	10·7	17·1	1	27	9	7	22	65	4	8	117	35°·8
DEC. 1936,	17·7	6·0	10·8	14·9	0	0	6	40	22	38	5	13	102	41°·2
DEC. 1935,	17·5	6·9	12·2	16·7	7	8	10	12	23	48	6	21	125	36°·0
DEC. 1934,	17·1	5·3	11·3	14·6	0	22	10	52	24	81	9	24	100	44°·6
DEC. 1933,	17·5	6·6	9·1	14·6	0	0	24	14	13	40	10	21	91	38°·9
DEC. 1932,	18·3	5·3	8·9	18·0	3	1	14	72	28	280	16	10	129	42°·3
DEC. 1931,	18·6	6·0	9·1	14·1	1	147	5	21	19	27	16	14	100	43°·0
DEC. 1930,	20·3	6·1	10·1	16·6	0	8	5	43	40	42	9	23	136	39°·7
DEC. 1929,	18·8	6·8	10·6	14·3	3	51	13	15	31	25	10	11	93	40°·9
DEC. 1928,	19·5	6·7	10·0	14·1	0	2	6	23	24	49	10	22	96	38°·6

Figures in columns 5-14 have been corrected for non-resident deaths.
* Including Paratyphoid from 1931.
† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.
‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—December 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age. -1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over
1	Typhoid Fever (including Paratyphoid)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4	Measles	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5	Scarlet Fever	5	2	3	–	2	1	–	1	–	–	1	–	–	–	–
6	Whooping-cough	31	12	19	13	18	–	–	–	–	–	–	–	–	–	–
7	Diphtheria	31	15	16	2	13	11	2	2	–	–	–	–	1	–	–
8	Influenza	31	12	19	–	1	1	–	2	2	2	2	9	8	4	–
14 (1)	Cerebro-spinal Fever	6	5	1	2	3	1	–	–	–	–	–	–	–	–	–
14 (2)	Other Epidemic Diseases (2, 3, 9)*	6	5	1	–	–	–	–	–	1	1	1	–	2	1	–
10	Tuberculosis of Respiratory System	145	72	73	–	1	1	1	45	40	23	16	12	4	2	–
11	Other Tuberculous Diseases	32	15	17	2	7	5	4	7	4	3	–	–	–	–	–
14 (3)	Other Infectious and Parasitic Dis. (12, 13)	8	3	5	1	–	–	–	–	–	2	1	3	1	–	–
15	Cancer, Malignant Disease	403	194	209	–	1	–	–	2	2	19	69	130	112	66	2
18	Diabetes Mellitus	48	14	34	–	–	–	–	–	–	4	4	13	17	9	1
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19)	67	25	42	–	–	2	4	6	5	7	8	10	15	10	–
22	Cerebral Hæmorrhage, &c.	301	127	174	–	–	–	–	1	1	1	17	47	121	103	10
23	Oth. Dis. of Nervous Syst. & Sense Org. (21)	62	35	27	9	4	3	–	6	7	5	5	12	11	–	–
24	Heart Disease	715	366	349	–	–	–	2	6	11	21	64	143	248	175	45
25	Other Circulatory Diseases	72	34	38	–	–	–	–	1	1	1	3	10	23	25	8
26	Bronchitis	204	101	103	22	2	–	–	–	2	11	13	27	51	59	17
27	Pneumonia (all forms)	253	123	130	104	23	2	1	5	6	12	21	26	20	23	10
28	Other Respiratory Diseases	55	28	27	7	2	–	–	1	1	6	4	10	8	8	8
32 (1)	Gastric and Duodenal Ulcer	39	34	5	1	–	–	–	1	4	6	8	10	5	4	–
29	Diarrhœa, &c. (all ages)	50	22	28	32	10	2	–	–	–	–	1	–	4	1	–
30	Appendicitis	25	20	5	–	1	2	2	5	1	1	4	4	3	2	–
31 (1)	Cirrhosis of Liver	15	11	4	–	–	–	–	–	–	–	6	5	4	–	–
31 (2)	Other Diseases of Liver, &c.	19	7	12	–	1	–	–	–	–	1	5	8	3	1	–
32 (2)	Other Digestive Diseases	50	24	26	1	–	2	1	3	3	3	13	10	8	5	1
33	Acute and Chronic Nephritis	84	38	46	–	–	–	1	3	4	2	13	19	23	16	3
34	Other Dis. of Genito-Urinary System	52	40	12	–	1	1	–	–	2	2	1	9	18	17	1
35	Puerperal Sepsis	10	–	10	–	–	–	–	2	6	2	–	–	–	–	–
36	Other Puerperal Causes	11	–	11	–	–	–	–	1	9	1	–	–	–	–	–
37	Diseases of Skin and Locomotor System	15	9	6	1	–	1	–	2	2	1	–	3	4	1	–
38	Congen. Debil., Prem. Birth, Malform., &c.	159	90	69	156	1	1	1	–	–	–	–	–	–	–	–
39	Old Age	76	32	44	–	–	–	–	–	–	–	–	1	12	44	19
40	Suicide	21	15	6	–	–	–	–	2	4	1	4	4	4	–	2
42	Other Violence (41)	114	82	32	8	11	1	4	7	3	9	16	14	18	17	6
43	Causes Ill-defined or Unknown	40	26	14	–	–	–	–	–	1	3	4	8	17	6	1
	ALL CAUSES	3255	1638	1617	361	102	37	23	111	122	150	304	547	765	599	134

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—December 1938.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles	...	...	...	...	...	...	...	...	...
5	Scarlet Fever	5	2	...	1	...	1	1	...	...
6	Whooping-cough	31	26	1	1	...	1	...	...	...
7	Diphtheria	31	16	5	...	5	1	...	...	...
8	Influenza...	31	13	1	...	...	...	8	1	...
14 (1)	Cerebro-spinal Fever	6	2	...	...	1	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	6	2	2	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	145	76	25	11	6	1	8	4	1
11	Other Tuberculous Diseases	32	18	3	2	1	2	1	2	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	8	3	3	1	...	...	...	...	...
15	Cancer, Malignant Disease	403	169	97	26	21	9	6	9	4
18	Diabetes Mellitus	48	21	8	2	4	2	2	2	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	67	30	12	4	5	2	3	1	1
22	Cerebral Hæmorrhage, &c.	301	125	60	19	25	11	12	7	2
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	62	26	14	2	3	2	3	1	...
24	Heart Disease	715	277	145	66	65	31	23	12	13
25	Other Circulatory Diseases	72	25	22	1	4	4	2	1	...
26	Bronchitis	204	95	35	7	10	8	9	7	5
27	Pneumonia (all forms)	253	119	42	20	13	6	9	5	8
28	Other Respiratory Diseases	55	19	20	6	4	1	2	...	1
32 (1)	Gastric and Duodenal Ulcer	39	19	11	2	2	1	1	1	...
29	Diarrhœa, &c. (all Ages)	50	31	11	...	2	2	...	1	...
30	Appendicitis	25	7	8	4	1	2	...	1	1
31 (1)	Cirrhosis of Liver	15	8	2	...	2	...	1	...	2
31 (2)	Other Diseases of Liver, &c.	19	9	4	1	1	1	2	1	...
32 (2)	Other Digestive Diseases	50	27	9	5	2	1	1	2	...
33	Acute and Chronic Nephritis	84	25	21	10	7	4	7	1	2
34	Oth. Diseases of Genito-Urinary System	52	20	11	9	5	...	...	...	...
35	Puerperal Sepsis	10	5	3	1	1	...	...	...	...
36	Other Puerperal Causes	11	4	2	...	...	2	...	1	...
37	Dis. of Skin, and of Locomotor System	15	6	1	2	2	1	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	159	70	26	14	8	8	4	4	6
39	Old Age	76	23	15	8	1	1	10	6	1
40	Suicide	21	9	4	4	...	1	...	...	...
42	Other Violence (41)	114	59	11	7	10	4	3	1	3
43	Causes Ill-defined or Unknown ...	40	30	1	2	2	...	1	1	...
	All Causes ...	3255	1416	635	238	213	110	119	72	52
	AGE AT DEATH.									
	Under 1	361	172	60	29	19	16	7	7	11
	1– 4	102	56	13	1	9	2	1	1	1
	5– 9	37	20	3	...	2	4	2	...	1
	10–14	23	11	2	2	3	1	...	1	...
	15–24	111	63	17	8	4	2	7	3	1
	25–34	122	49	26	11	5	6	2	3	1
	35–44	150	61	30	10	13	7	5	6	1
	45–54	304	146	57	24	7	6	21	6	3
	55–64	547	257	98	30	49	10	18	10	10
	65–74	765	302	155	66	53	28	27	19	13
	75–84	599	231	137	47	42	22	24	14	8
	85 and over	134	48	37	10	7	6	5	2	2
	Not stated	...	...	...	...	...	...	...	...	...
	All Ages ...	3255	1416	635	238	213	110	119	72	52

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—December 1938—*continued.*

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	...	...	...	...	...	...	...	...
5	Scarlet Fever	...	...	...	...	...	...	...	...
6	Whooping-cough	...	...	2	...	...	...	...	...
7	Diphtheria	...	1	...	...	...	...	...	3
8	Influenza...	...	5	...	1	...	...	...	2
14 (1)	Cerebro-spinal Fever	...	...	2	...	...	1	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)* ...	...	...	...	1	...	...	1	...
10	Tuberculosis of Respiratory System ...	1	3	...	2	4	1	2	...
11	Other Tuberculous Diseases	...	1	...	...	1	...	...	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	1
15	Cancer, Malignant Disease	5	4	6	8	5	12	12	10
18	Diabetes Mellitus	...	...	1	1	...	2	1	1
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	1	1	...	2	1	2	1
22	Cerebral Hæmorrhage, &c.	7	4	7	3	5	4	5	5
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	1	3	...	4	2	...	...	1
24	Heart Disease	7	11	13	11	15	5	12	9
25	Other Circulatory Diseases	...	...	2	1	4	3	2	1
26	Bronchitis	4	4	1	8	2	3	5	1
27	Pneumonia (all forms)	2	7	5	7	2	5	2	1
28	Other Respiratory Diseases	...	...	...	1	1	...	...	...
32 (1)	Gastric and Duodenal Ulcer	...	...	1	...	...	...	...	1
29	Diarrhœa, &c. (all Ages)	1	...	1	1	...	...	...	...
30	Appendicitis	...	...	...	...	...	...	...	1
31 (1)	Cirrhosis of Liver	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	...	...	...	...	...	...	...	...
32 (2)	Other Digestive Diseases	...	...	1	...	...	1	...	1
33	Acute and Chronic Nephritis	...	1	2	2	1	...	...	1
34	Oth. Diseases of Genito-Urinary System	1	...	...	1	2	2	...	1
35	Puerperal Sepsis	...	...	...	...	...	...	...	...
36	Other Puerperal Causes	...	...	...	1	...	1	...	...
37	Dis. of Skin, and of Locomotor System	...	1	...	...	...	1	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	3	2	5	...	4	3	1	1
39	Old Age	3	1	2	...	3	...	...	2
40	Suicide	...	...	1	...	...	...	1	1
42	Other Violence (41)	1	2	1	4	4	1	...	3
43	Causes Ill-defined or Unknown ...	1	...	...	...	...	...	1	1
	All Causes ...	38	51	54	57	57	46	48	49
	AGE AT DEATH.								
	Under 1	3	6	8	5	6	6	3	3
	1– 4	2	1	5	5	1	1	1	2
	5– 9	1	4	...	...	...	...	...	...
	10–14	...	1	...	1	1	...	...	...
	15–24	...	4	...	...	1	...	1	...
	25–34	1	1	2	5	2	3	3	2
	35–44	2	3	3	3	1	...	2	3
	45–54	2	6	3	3	7	7	1	5
	55–64	8	4	10	6	6	10	10	11
	65–74	6	15	11	16	18	11	17	8
	75–84	10	5	8	10	12	8	9	12
	85 and over	3	1	4	3	2	...	1	3
	Not stated	...	...	...	...	...	...	...	...
	All Ages ...	38	51	54	57	57	46	48	49

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Eleven of the Principal Towns during the Month of December 1938.

OBSERVERS.	Height of Station above Sea-level.	AIR PRESSURE* AT MEAN SEA LEVEL.†		AIR TEMPERATURE. Mean of Maximum (A.)	Mean of Minimum (B.)	Mean of A and B (Mean Temperature).	Difference from Average.	Absolute Maximum and Minimum. Maximum.	Day of Month.	Minimum.	Day of Month.	HYGROMETER.* Mean of Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Difference from Average.	BRIGHT SUNSHINE. Hours per Day. Daily Mean.	Difference from Average.	Per Cent. of Possible.
	feet.	Mb.	inches.	°F.	°F.	°F.	F.	°F.		°F.		°F.	°F.	Mb.	%		inch.	inch.			
GLASGOW, Abbotsinch Aerodrome (The Meteorological Office).	19	1008·1	29·770	43·7	35·5	39·6	−0·1	54	12*th*	17	21*st*	39·2	1·4	7·3	87	20	2·94	−1·51	1·48	+0·60	21
EDINBURGH, The Astronomer Royal for Scotland, Royal Observatory.	441	1008·7	29·789	43·0	35·4	39·2	−0·7	52	12*th*	22	21*st*	38·8	1·5	6·9	86	21	2·13	−0·21	1·72	+0·35	25
DUNDEE, The Director of Studies, Training College.	147	1007·8	29·760	43·5	32·1	37·8	−1·1	53	7*th*	21	21*st*	38·5	1·9	6·5	82	23	3·30	+0·78	1·74	+0·33	25
ABERDEEN, The Meteorological Office.	79	1007·9	29·763	43·7	35·7	39·7	0·0	51	26*th*	24	21*st*	40·0	1·7	7·1	85	23	3·83	+0·61	1·21	0·00	18
PAISLEY, JOHN WOODROW, The Coats Observatory.	106	1008·3	29·777	44·5	35·5	40·0	−0·3	54	12*th*	22	22*nd*	39·8	1·5	7·2	87	18	2·97	−2·08	1·26	+0·42	18
GREENOCK, J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	199	1008·3	29·777	44·4	36·5	40·5	0·0	53	4*th*	25	22*nd*	39·7	1·4	7·3	87	19	6·73	−0·72	0·60	..	9
KIRKCALDY, The Medical Officer of Health.	137	..	..	43·6	33·6	38·6	−1·7	52	7*th*	20	22*nd*	38·6	1·2	7·0	89	15	1·00	..	1·21	..	18
KILMARNOCK, W. DUNBAR, C.E.	132	..	..	44·3	34·1	39·2	−0·7	53	12*th*	14	21*st*	38·5	1·0	7·1	91	20	2·22	−2·05	1·27	+0·40	18
AYR, The Medical Officer of Health.	43	..	..	44·9	34·1	39·5	..	53	11, 13	14	23*rd*	40·7	1·0	7·9	91	19	1·75	..	1·48	..	21
DUNFERMLINE, The Carnegie Dunfermline Trust.	237	..	..	43·3	34·1	38·7	..	55	12*th*	22	22, 25	38·4	1·2	7·0	89	21	2·14	..	1·31	..	19
PERTH, J. RITCHIE, The Museum.	76	1008·7	29·789	43·1	31·7	37·4	−0·8	52	7, 12,	8	22*nd*	36·6	1·1	6·5	89	18	2·23	−1·00	1·06	−0·03	15
Means . .	147	1008·3	29·775	43·8	34·4	39·1	−0·6	..	..	..	..	39·0	1·4	7·1	88	20	2·84	−0·77	1·30	+0·30	19

North Latitude.—Glasgow, 55° 52′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Greenock, 55° 56′; Perth, 56° 24′; Mean, 56° 14′.
West Longitude.—Glasgow, 4° 17′; Edinburgh, 3° 11′; Dundee, 2° 56′; Aberdeen, 2° 6′; Paisley, 4° 26′; Greenock, 4° 46′; Perth, 3° 27′; Mean, 3° 36′.

* At Edinburgh, Paisley and Ayr observations are made at 9h. and 21h., at Dundee, Greenock, Kirkcaldy, Kilmarnock, Dunfermline and Perth at 9h. only, and at Glasgow (Abbotsinch) and Aberdeen at 7h. and 18h.

† As from January, 1935, barometer readings have been reduced to standard gravity in latitude 45°, and pressure is expressed in millibars (1000 millibars=29·531 mercury inches)

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